CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Theatre and hotel, Washington, D. C., Owner, c/o Tillion & Tillion, having preliminary plans prepared, $5,000,000.

Theatre and pier, Atlantic City, N. J., C. R. Meyers, having sketches made, $5,000,000.

Convention hall and stadium, Albany, N. Y., A. G. Lang, having tentative plans prepared, $4,000,000.

Hotel, Philadelphia, Pa., Owner c/o Ritter & Shay, having plans prepared, $4,000,000.

Hospital and nurses home, Syracuse, N. Y., Syracuse Memorial Hospital soon takes bids, $2,500 000.

Theatre, Philadelphia, Pa., S. S. Shuberts, having plans prepared, $2,000,000.

Elevator, Burrards Inlet, B. C., Alberta Wheat Pool, soon takes bids, $2,000,000.

Waterworks, Wichita Falls, Tex., made surveys, $1,750,000.

Apartment, Philadelphia, Pa., C. J. McIlvine, having plans prepared, $1,250,000.

Hospital, St. Louis, Mo., Bd. Pub. Serv., having plans prepared, $1,200,000.

Municipal improvements, Beaumont, Tex., bond election, $1,200,000.

Club, Los Angeles, Calif., Biltmore Country Club, having plans prepared, $1,000,000.

Store and loft, Cincinnati, O., Alms & Doepke Co., having plans prepared, $1,000,000.

Hotel, Laguna Beach, Calif., La Casa de Laguna Hotel Co., having preliminary plans prepared, $1,000,000.

Bids Desired

Auditorium, Cleveland, O., June 22, by City, $2,000,000.

Bridge substructure, Pittsburgh, Pa., June 22, by Comrs. Allegheny Co., $1,700,000.

Nurses home, Cleveland, O., Charity Hospital, taking bids, $1,200,000.

Hotel and store, Elizabeth, N. J., June 24, by Chamber of Commerce Hotel Co., $1,000,000.

Bids Received

High school, Richmond Hill (Ind br. Jamaica), N. Y., W. H. Gompert, from T. G. Sperling & Co., New York, $1,550,000.

Contracts Awarded

Oil pipe line, Texas, Gulf Pipe Line Co., will build by day labor, $9,000,000.

Excavation, New Haven, Conn., United Illuminating Co., to Clark-Barrone Co., $3,000,000.

Theatre, store and office, Cedar Rapids, Ia., Orpheum Theatre Corp., general contract to R. Levine, Chicago, Ill., $1,000,000.

Apartment, New York, N. Y., Three Hundred and Thirty Three, East 68th Street Corp., to F. Ley & Co., $1,000,000.

Classified Index of Bids Wanted

Waterworks

Bids close — See Eng. News-Record

June 17 South Orange, N. J. ..... June 2
June 17 New York, N. Y. ..... June 16
June 20 Grand Haven, Mich. ..... May 26
June 20 Westfield, N. Y. ..... June 16
Adv. June 16.
June 20 Wakefield, Mass. ..... June 16
June 20 Birmingham, Mich. ..... June 16
June 20 Royal Oak, (Ind. br. Detroit) Mich. ..... June 16
June 21 Phila., Pa. ..... June 16
June 21 St. Louis, Mo. ..... June 2
June 21 Butler, Mo. ..... June 16
June 21 St. George, N. Y. ..... June 16
June 21 Cincinnati, O. ..... June 16
June 22 Mohawk, N. Y. ..... June 2
June 22 Detroit, Mich. ..... June 9
June 22 Crystal City, Tex. ..... June 16
June 22 Newark, Del. ..... June 16
Adv. June 9 and 16.
June 24 Kenilworth, N. J. ..... June 16
Adv. June 16.
June 27 Homer City, Pa. ..... June 16
Adv. June 16.
June 27 Galesburg, Ill. ..... May 26
June 27 San Diego, Calif. ..... June 16
June 27 Waynesboro, Pa. ..... June 16
Adv. June 16.
June 28 St. Louis, Mo. ..... June 16
June 28 Saginaw, Mich. ..... June 16
June 29 Helmuth, N. Y. ..... June 16
Adv. June 16.
July 7 Bloomington, Ind. ..... June 16
Adv. June 9 and 16.
July 12 Toronto, Ont. ..... June 16
July 25 Buenos Aires, Argentine.. May 26

Sewers

June 20 Plainfield, N. J. ..... June 9
June 20 Albany, N. Y. ..... June 16
June 20 Montreal, Que. ..... June 16
June 21 Kosciusko, Miss. ..... June 9
June 21 Elkins Park (Ind. br. Phila.), Pa. ..... June 9
June 21 Columbus, O. ..... June 9
June 21 Boston, Mass. ..... June 16
June 21 Wash., D. C. ..... June 16
June 22 Phila., Pa. ..... June 16
June 22 Grand Rapids, Mich. ..... June 16
June 22 Long Island City, N. Y. ..... June 16
June 22 New York, N. Y. ..... June 16
June 23 Newark, N. J. ..... June 9
Adv. June 9 and 16.
June 23 Chicago, Ill ..... June 9
June 24 Bolivar, N. Y. ..... June 9
June 24 Beverly, Mass. ..... June 16
June 28 Pennsylvania ..... June 16
Adv. June 16.
June 28 Boston, Mass. ..... June 16
June 28 Wyandotte, Mich. ..... June 16
Adv. June 16.
June 29 Haines City, Fla. ..... June 9
Adv. June 9 and 16.

Bids close — See Eng. News-Record

June 29 Birmingham, Ala. ..... May 26
July 5 Mamaroneck, N. Y. ..... June 16
Adv. June 16.
July 7 Louisville, Ky. ..... May 12
July 7 Chicago, Ill. ..... June 16
Adv. June 16.

Bridges

June 18 Owen Sound, Ont. ..... June 16
June 18 Cleveland, O. ..... June 16
June 20 Monroe, Mich. ..... June 9
June 20 Indiana ..... June 16
June 20 South Norfolk (Norfolk P. O.), Va. ..... June 16
June 20 Monroe, Mich. ..... June 16
June 21 Hopewell, Va. ..... June 2
June 22 Dayton, O. ..... June 2
June 22 Alabama ..... June 9
June 22 Pittsburgh, Pa. ..... June 16
June 22 Eldora, Ia. ..... June 16
June 22 Baltimore, Md. ..... June 16
June 23 Richland, N. Y. ..... June 9
Adv. June 9 and 16.
June 23 Wisconsin Rapids, Wis. ..June 16
June 24 Missouri ..... June 16
June 27 Woodstown, N. J. ..... June 9
Adv. June 9 and 16.
June 27 California ..... June 16
June 28 St. Louis, Mo. ..... June 16
June 28 Wayne, Neb. ..... June 16
June 30 Oskaloosa, Kan. ..... June 16
July 1 Old Hickory, Tenn. ..... June 2
July 1 Shreveport, La. ..... June 9
Adv. June 9 and 16.
July 6 Louisiana ..... May 26
Adv. May 26 to June 16.
July 6 Marion, Kan. ..... June 16
July 7 Florida ..... May 26

Dams

July 11 Los Angeles, Calif. ..... June 2
Adv. June 2 to 16.

Excavation, Drainage, Irrigation. Levees, River and Harbor

June 21 New York ..... May 26
Adv. May 26 to June 16.
June 22 New York ..... June 16
Adv. June 16.
June 25 Lake Charles, La. ..... June 9
July 12 Granite City, Ill. ..... June 9

Streets and Roads

June 17 Cincinnati, O. ..... June 2
June 17 Virginia ..... June 2
June 17 Cincinnati, O. ..... June 16
June 17 New York, N. Y. ..... June 16
June 17 Guelph, Ont. ..... June 16
June 18 Madison, Wis. ..... June 16
June 20 Akron, O. ..... June 16
June 20 Prince Rupert, B. C. ..... June 16

Bids close — See Eng. News-Record

June 20 North Platte Neb. ..... June 16
June 20 New Jersey ..... June 2
June 20 Duluth, Minn. ..... May 5
June 20 Syracuse, N. Y. ..... June 9
June 20 Pelham (Ind. br. New York), N. Y. ..... June 9
Adv. June 2 to 16.
June 20 Albany, N. Y. ..... June 16
June 20 Boston, Mass. ..... June 16
June 20 North Vancouver, B. C. ..... June 16
June 20 Atlanta, Ga. ..... June 16
June 20 Montreal, Que. ..... June 16
June 20 Madison, Neb. ..... June 16
June 21 Columbus, O. ..... June 2
June 21 Florida ..... June 2
June 21 Michigan ..... June 9
June 21 Maryland ..... June 9
Adv. June 9 and 16.
June 21 Greenwood, Miss. ..... June 9
June 21 Wisconsin ..... June 16
June 21 Knoxville, Ia. ..... June 16
June 21 Massachusetts ..... June 16
June 21 Towson, Md. ..... June 16
June 21 Omaha, Neb. ..... June 16
June 21 Quebec ..... June 16
June 22 Wisconsin ..... June 16
June 22 Garfield Heights (br. Cleveland), O. ..... June 16
June 22 Alabama ..... June 9
June 22 Manhattan, Kan. ..... June 9
June 22 Gordon, Neb. ..... June 9
June 22 Clinton, Ia. ..... June 16
June 22 Ittabena, Miss. ..... June 16
June 22 Montreal, Que. ..... June 16
June 22 Boston, Mass. ..... June 16
June 22 Long Island City, N. Y. ..June 16
June 22 Brooklyn, N. Y. ..... June 16
June 22 New York, N. Y. ..... June 16
June 22 Nevada ..... June 16
June 23 Columbus, O. ..... June 16
June 23 Louisiana ..... June 9
June 23 Alma, Kan. ..... June 9
June 23 Pennsylvania ..... June 9
Adv. June 9 and 16.
June 23 Poughkeepsie, N. Y. ..... June 9
Adv. June 9 and 16.
June 23 Michigan ..... June 16
June 24 Maryland ..... June 9
June 24 Pennsylvania ..... June 9
Adv. June 9 and 16.
June 24 Tennessee ..... May 26
June 24 Fargo, N. D. ..... June 16
June 24 Missouri ..... June 16
June 24 Michigan ..... June 16
June 24 Cadiz, O. ..... June 16
June 27 Birmingham, Ala. ..... June 2
June 27 East Grand Forks, Minn. June 16
June 27 San Diego, Calif. ..... June 16
June 27 Ohio ..... June 16
June 27 Warrenton, Mo. ..... June 16
Adv. June 16.
June 28 Louisiana ..... June 9
June 28 Osborne, Kan. ..... June 9
June 28 St. Louis, Mo. ..... June 9

See proposal advertising on page 157

TRADE "LEADITE" MARK

Registered U. S. Pat. Office

A satisfied customer for more than 20 years

This one concern has laid more than 100 miles of c. i. bell and spigot water mains with Leadite joints. Working pressures exceeding 200 pounds.

The Pennsylvania Water Company, Wilkinsburg, Pennsylvania, has been a satisfied user of Leadite for over 20 years.

It has laid more than 100 miles of c. i. bell and spigot water mains with Leadite joints; sizes have varied from 4" to 42" in diameter.

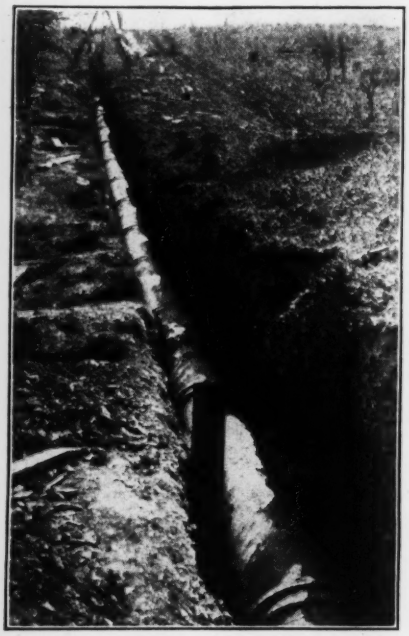
It has working pressures up to and exceeding 200 pounds per square inch.

The Pennsylvania Water Company makes a systematic water waste survey of its system each year which shows the tightness of the mains laid underground.

The Pennsylvania Water Company usually lays its pipe with its own forces, but the 20" line, shown in the accompanying picture, was laid by a contractor and with most excellent results.

This line was tested and the leakage on this line ranged from 1/3 to 1/10 of the allowable leakage as ordinarily specified.

Mr. W. C. Hawley is Chief Engineer and General Superintendent of the Pennsylvania Water Company.



Section of 33,000 feet of 20 in. c. i. bell and spigot water main laid by contractor for the Pennsylvania Water Company. Pressures ranging from 70 pounds to 225 pounds per sq. in.

Specify and use LEADITE —it saves at least 75%

Be sure it is LEADITE and accept no imitations

The pioneer self-caulking material for c.i. pipe. Tested and used for over 30 years.

THE LEADITE COMPANY . . . Land Title Building . . . PHILADELPHIA, PA., U. S. A.

NO CAULKING

Bids close		See Eng. News-Record
June 28	Minnesota	June 16
June 28	Clayton, N. J.	June 16
June 28	Newton, N. J. Adv. June 16.	June 16
June 28	Auburn, N. Y. Adv. June 16.	June 16
June 28	Wallingford, Conn. Adv. June 16.	June 16
June 29	Birmingham, Ala.	May 12
June 29	Birmingham, Ala.	May 26
June 29	St. Louis, Mo.	June 9
June 30	Kentucky	June 9
June 30	Virginia Adv. June 16.	June 16
July 1	Smith Center, Kan. Adv. June 16.	June 16
July 2	Jackson, O.	June 16
July 5	Meriden, Conn.	June 16
July 6	Wakeeney, Kan.	June 16
July 6	Delaware Adv. June 16.	June 16
July 7	Leavenworth, Kan.	June 16
July 7	Florida	June 16
July 7	Brookhaven, Ind.	June 9
July 8	Tennessee	June 16
July 15	Anderson, Ind.	June 2

Buildings—Commercial

June 17	Wash., D. C.	June	9
June 18	Phila., Pa.	June	16
June 18	Baltimore, Md.	June	16
June 20	Kendallville, Ind.	June	16
June 20	St. Charles, Mo.	June	16
June 20	Detroit, Mich.	June	16
June 20	Columbus, O.	June	16
June 21	Monson, Mass.	June	9
June 21	St. Louis, Mo.	June	2
June 21	Belchertown, Mass.	June	16
June 22	Cleveland, O.	June	16
June 22	Monroe, La.	June	9
June 22	Pittsfield, Mass.	June	9
June 22	Phila., Pa.	June	16
June 23	Orient, O.	June	16
June 23	Pittsburgh, Pa.	June	16
June 24	Pittsburgh, Pa.	June	16
June 24	Joliet, Ill.	June	16
June 24	Elizabeth, N. J.	June	16
June 24	Phila., Pa.	June	16
June 25	Detroit, Mich.	June	16
June 27	Los Angeles, Calif.	June	16
June 28	St. Louis, Mo.	June	16
June 29	Thiells, N. Y. Adv. June 9 and 16.	June	9
June 30	Bremerton, Wash.	May	19
July 8	Trenton, N. J.	June	9

Buildings—Industrial

June 17	Phila., Pa.	June	16
June 21	Phila., Pa.	June	16
June 22	Taunton, Mass.	June	9
June 22	Camden, N. J.	June	16
June 27	Houston, Tex.	June	16

Buildings—Educational, Religious

June 16	St. Bernard (Ind. br. Cincinnati), O.	June	16
June 18	Simsbury, Conn.	June	16
June 20	Cambridge (br. Boston), Mass.	June	9
June 20	Providence, R. I.	June	16
June 20	New York, N. Y.	June	16
June 20	Albany, N. Y.	June	16
June 20	New Lebanon, O.	June	16
June 21	Ferndale (br. Detroit), Mich.	June	16
June 21	Jackson, Mich.	June	16
June 21	Winona, Minn.	June	9
June 21	Far Rockaway, N. Y.	June	9
June 21	New York, N. Y.	June	9
June 21	Hollis (mail Jamaica), N. Y.	June	9
June 21	Northampton, Mass.	June	9
June 22	Detroit, Mich.	June	16
June 23	Kingston, N. Y. Adv. June 9 and 16.	June	9
June 23	Willimantic, Conn.	June	16
June 23	Green Bay, Wis.	June	16
June 23	Tuckahoe, N. Y.	June	16
June 23	Milwaukee, Wis.	June	16
June 24	Ferndale (br. Detroit), Mich.	June	16
June 27	Kenosha, Wis.	June	16
June 27	Milwaukee, Wis.	June	16
July 6	Addison, N. Y.	June	16

Federal Government Work

June 17	Mezzanine—Phila., Pa.	May	26
June 17	Dredging—Phila., Pa.	May	26
June 17	Dredging—Chicago, Ill.	June	9
June 17	Timber Groins—Buckroe Beach, Va.	June	9
June 20	Steel Bodies—Staten Island, N. Y.	June	9
June 20	Water Piping—Wilmington, N. C.	June	16
June 21	Garage—New York, N. Y.	May	26
June 21	Oil Line—Northport, N. Y.	May	26
June 21	Boiler—Albert Lea, Minn.	June	9
June 21	Boiler House, etc.—Marcus Hook, Pa.	June	9
June 22	Reroofing—New London, Conn.	June	9
June 22	Heating System—San Diego, Calif.	June	9
June 22	Heating System—Parris Island, S. C.	June	9
June 22	Boiler—Jackson, Mich.	June	9
June 22	Post Office—Bayonne, N. J.	May	26
June 22	Reservoir, etc.—Parris Island, S. C.	May	26
June 22	Hangar Doors—Anacostia (sta. Wash.), D. C.	May	26
June 22	Road—Norfolk, Va.	May	26
June 22	Barracks—Guantanamo, Cuba	May	26
June 22	Dredging—Norfolk, Va.	June	16
June 22	Entrance Gates, etc.—Alderson, W. Va.	June	16
June 23	Dredging—Delaware and Maryland Adv. May 26 to June 16.	May	26
June 23	Boiler—Columbus, Ga.	June	9
June 24	Boiler—Carville, La.	June	9
June 24	Lift—Johnstown, Pa.	June	2
June 24	Lockkeepers House—Pittsburgh, Pa. Adv. May 26 to June 16.	May	26
June 25	Barracks—Mt. Clemens, Mich. Adv. June 2 to 16.	June	2
June 25	Dynamometer Building—Dayton, O. Adv. June 16.	June	16
June 27	Remodeling—Ashland, O.	June	9
June 27	Post Office—Coeur D'Alene, Idaho	June	9
June 27	Boiler—Baker City, Ore.	June	9
June 28	Storage Addition—Phila., Pa.	June	9
June 28	Water Supply—New Haven, Conn.	June	9
June 28	Heating—Galveston, Tex.	June	9
June 28	Post Office—Tomah, Wis. Adv. June 2 and 9.	June	2
June 28	Water System, etc.—Oteen, N. C.	June	16
June 29	Dredging, etc.—Maine Adv. May 26 to June 16.	May	26
June 29	Steps—Prescott, Ark.	June	16
June 30	Water Piping—New York, N. Y.	June	9
July 1	Lock Gate—Pittsburgh, Pa. Adv. June 2 to 16.	June	2
July 1	Dredging—Rhode Island. Adv. June 2 to 16.	June	2
July 5	Barracks—Fort Humphreys, Va. Adv. June 9 and 16.	June	9
July 5	Post Office—Richmond, Va.	June	16
July 6	Post Office—Batavia, Ill. Adv. June 9 and 16.	June	9
July 6	Dredging—New Jersey Adv. June 9 and 16.	June	9
July 11	Boat Hulls—Louisville, Ky. Adv. June 16.	June	16
July 13	Pier—Charleston, S. C. Adv. June 16.	June	16
July 15	Administration—Wash., D. C. Adv. June 16.	June	16
July 18	Reinforcing Bars—San Carlos, Ariz.	June	16
July 19	Cement—San Carlos, Ariz.	June	16
July 20	Post Office—Jamestown, N. D. Adv. June 16.	June	16

Unclassified

June 17	Comfort Stations—New York, N. Y.	June	16
June 20	Bath House—Phila, Pa.	June	16
June 22	Fences—Providence, R. I. Adv. June 9 and 16.	June	9
June 22	Exit Facilities, Electrical Work, Stairs, etc.—Kings Park, N. Y. Adv. June 9 and 16.	June	9
June 22	Asphalt Plant—Long Island City, N. Y.	June	16
June 22	Exit Facilities, etc.—Syracuse, N. Y. Adv. June 9 and 16.	June	16
June 22	Traffic System — Fayetteville, N. C.	June	16
June 23	Tunnel—Kent, O.	July	9
June 23	Heating, etc.—Oxford, N. Y. Adv. June 9 and 16.	June	9
June 23	Slip Extension—Port Arthur, Ont.	June	16
June 24	Subway—New York, N. Y.	June	9
June 24	Cleaning Water Pipe—West Roxbury (Boston P. O.), Mass.	June	16
June 24	Coal Handling Equipment —Milwaukee, Wis.	June	16
June 29	Stadium—Villanova, Pa. Adv. June 16.	June	16
June 28	Street Lighting System—St. Louis, Mo.	June	9
June 30	Wharf—Mobile, Ala. Adv. June 16.	June	16
July 11	Mens Field House—Morgantown, W. Va.	June	16
July 12	Refrigerating Equipment—Beacon, N. Y. Adv. June 16.	June	16
July 19	Subway—Phila., Pa. Adv. June 16.	June	16

Materials

June 17	Filler—New York, N. Y.	June	16
June 20	Fuel Oil, etc.—New York, N. Y.	June	16
June 21	Culvert Pipe—Ft. Madison, Ia.	June	16
June 22	Cinder and Slag—Phila., Pa.	June	16
June 22	Cement—Baltimore, Md.	June	16
June 22	Pipe—New York, N. Y.	June	16
June 22	Paving Blocks—Long Island City, N. Y.	June	16
June 23	Cable—Chicago, Ill. Adv. June 16.	June	16
June 23	Steel Bars, Shapes, etc.—Phila., Pa.	June	16
June 27	Cement—Los Angeles, Calif.	June	16
June 28	Portland Cement—Minnesota	June	16

News of the Week

Waterworks

Proposed Work

Mass., Wakefield—Making plans filtration system and dam with connection between Crystal Lake and standpipe, $200,000. Weston & Sampson 14 Beacon St., Boston, engrs. Noted May 12.

N. J., Bordentown — City Comrs., J. C. Friedrich, mayor, plans installing diesel oil engine for waterworks. $15,000. Engineer not selected.

Miss., Water Valley—Making preliminary plans 2 story, 61 x 105 ft., waterworks and electric light building, rein.-con., brick and steel. T. H. Allen, 840 Bank of Commerce Bldg., Memphis, Tenn., engr.

Kan., Ft. Scott—Making surveys waterworks improvements. Black & Veatch, 700 Mutual Bldg., Kansas City, Mo., engrs. Noted Sept. 2.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.), according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

Mo., Deepwater—Making surveys waterworks. $15,000 bond election soon. Rollins & Co., Ry. Exch. Bldg., Kansas City, engrs. Noted Sept. 16.

Mo., Ironton—Making preliminary plans filtration system, pumps, tank on tower, distribution mains, etc. W. A. Fuller, 1917 Ry. Exch. Bldg., St. Louis, engr.

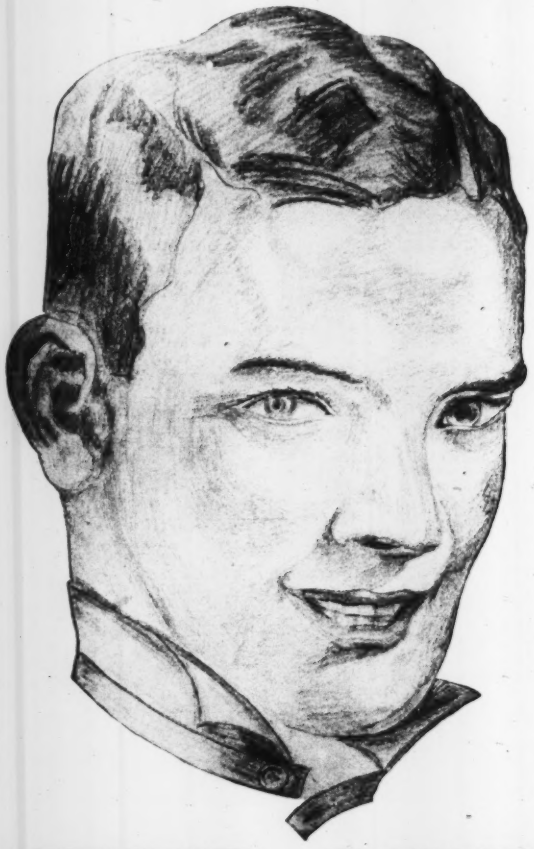
Ark., Batesville—See "Unclassified."

Tex., Amarillo — Voted $900,000 bonds, waterworks improvements. Address J. D. Bartlett, city mgr.

Tex., Potect—City Comn. will entertain proposals to City from firms desiring to erect complete waterworks system on franchise or basis of erecting for the city on a cost plus basis, etc. $25,000 or more. Address A. J. Goodfellow, mayor.

Tex., Wichita Falls—Made surveys improving waterworks incl. c.i. aqueduct from

Constr. News page 384



A SATISFIED OPERATOR

IS ESSENTIAL TO YOUR SUCCESS

A MINOR point most contractors will think—but the long and short of it is—it's essential to your success. An operator that takes pride in the machine that he's handling is worth more to you than a dozen that don't. He keeps his machine in working trim and thereby avoids delay's due to carelessness.

INDUSTRIAL all purpose crawler operators do take pride in their machine because they know that nothing but the best of material and workmanship are embodied in them. They know that input—effort, is minimized, and output—work produced, is maximized.

Have a talk with one of our representative engineers and thrash out your problems. They are glad to be of service.

Gasoline—Steam—Diesel—Electric—Cranes—Shovels—Draglines

INDUSTRIAL WORKS, BAY CITY, MICHIGAN

BRANCHES

Atlanta, Ga. Hurt Bldg.
Chicago, Ill. McCormick Bldg.
Cincinnati, Ohio Dixie Terminal Bldg.
Detroit, Mich. Book Building
New Orleans, La. Whitney Central Bldg.
New York City 50 Church St.
Philadelphia, Pa. Packard Building
Pittsburgh, Pa. Federal Reserve Bldg.
St. Louis, Mo. Railway Exchange
San Francisco, Calif. Monadnock Bldg.

Waterworks (Continued)

Lake Wichita to purification plant, raising spillway at lake to increase capacity from 4,600,000 gal. to 7,400,000 gal., 12 m.g. water purification plant, high service pumping plant, 2½ m.g. covered reservoir at plant, feeder lines, etc. $1,750,000. Black & Veatch, Mutual Bldg., Kansas City, Mo., engrs. Noted Sept. 2.

Okla., La Verne — Making preliminary plans new waterworks. $25,000. C. A. Wood, Stillwater, engr.

Okla., Meeker—Making plans new waterworks. $35,000. E. W. Gantt, 1116 West Main St., Oklahoma City, engr.

Okla., Quinlan — Making plans new waterworks. $35,000. C. A. Wood, Stillwater, engr.

Wash., Tacoma—Plans approximately 2 mi. gravity pipe-line on Green River. $150,000. I. S. Davison, comr. Water Dept.

Bids Desired

Mass., Wakefield—June 20, by Weston & Sampson, engrs., 14 Beacon St., Boston, filtration system and dam, Crystal Lake, for Town. $50,000 bonds. Noted May 12.

N. Y., Helmuth — June 29, by Commissioner Mental Hygiene, Dept. Mental Hygiene, Capitol, Albany, constructing and repairing water sections and bath rooms, at Gowanda State Homeopathic Hospital, here; adv. E. N.-R. June 16.

N. Y., New York — June 17, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Allerton, Coddington, Commerce, Fenton, Hollywood, Hone, Jerome Aves., etc., Bronx Boro.

N. Y., St. George — June 21, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Forest Ave., Hylan Blvd., Arthur Kill and Douglas Rds.

N. Y., Westfield—June 20, by Bd. Water & Sewer Comrs., Easton Hall, 7,400 ft. 14 in. iron waterpipe, lead, oakum, valves, etc.; adv. E. N.-R. June 16.

N. J., Kenilworth—June 24, by Union Co. Park Comn., Administration Bldg., Acme and Canton Sts., Warinanco Park, Elizabeth, 30,000 gal. tank and tower, 6 in. supply line and overflow pipe, also pipe and materials, here. W. R. Tracy, engr. and secy.; adv. E. N.-R. June 16.

Pa., Homer City—June 27, by Boro Council, Boro Bldg., approximately 29,000 ft. 4- to 10-in. c.i. pipe, mechanical filtration plant, consisting two 300,000 g.p.d. units, with motor-driven high and low lift pumps and appurtenances, etc. Hudson & Myron, Wabash Bldg., Pittsburgh, engrs.; adv. E. N.-R. June 16.

Pa., Phila.—June 21, by Dept. Pub. Wks., Bureau of Water, 6- to 12-in. c.i. mains in various streets, Contr. 886. G. H. Biles, dir.

Pa., Waynesboro—June 27, by Boro Council, concrete reservoir and diversion weir. R. H. Craig, State Chamber Bldg., Harrisburg, engr.; adv. E. N.-R. June 16.

Del., Newark—June 22, by Town Council, Council Office, 1,500 lin.ft. 4 in. and 19,700 ft. 6 in. watermains also 5,000 lin.ft. 8 in. force mains, etc., Contr. 6. E. B. Frazer, pres.; adv. E. N.-R. June 16.

Va., University—B. T. Johnson, Box 696, in market waterworks and pipe line equipment materials and supplies.

O., Cincinnati—June 21, by Comrs. Hamilton Co., 26,558 ft. 6- to 10-in. c.i. mains, etc. in Water Supply Line 13, Dists. 2, 4 and 5, $67,334; 8,544 ft. 6 in. c.i. mains Water Supply Line 55, Dist. 2, $18,710; also 36,848 ft. 6 in. c.i. mains, etc. Water Supply Line 62, Dists. 1 and 8, $79,517. L. C. Boyatt, Court House, engr.

Ind., Bloomington—July 7, by City, 20 m.g.d. water filtration plant. $100,000. E. Cooper, city clk.; adv. E. N.-R. June 16.

Mich., Birmingham—June 20, by H. E. Lawler, village clk., 11,900 ft. 6- to 10 in. DeLavaud and 170 ft. 4 in. class "B" mains, etc. in various streets.

Mich., Royal Oak (Ind. br. Detroit)—June 20, by R. B. Fleming, city clk., digging trench and backfilling approximately 10,500 lin.ft. 6- to 12-in. c.i. mains. Noted June 9.

Mich., Saginaw—June 28, by City, pumping and purification structures for water supply. F. G. Gordon, 53 West Jackson Blvd., Chicago, Ill., engr. Noted Apr. 14.

Mo., Butler—June 21, by City Clerk, 1 m.g. rein.-con. storage reservoir and low pressure pumping unit. To exceed $15,000. J. W. Shikles & Co., 708 New York Life Bldg., Kansas City, engrs. Noted May 19.

Mo., St. Louis — June 28, by Bd. Pub. Serv., 208 City Hall, complete power and lighting switchboard for Howard Bend Waterworks Station at Hine, on Missouri River. $11,000. L. Day, comr.

Tex., Crystal City—June 22, by City, extending waterworks, mains, laterals, etc., in various streets. $20,000. Address J. J. Wainwright, mayor.

Calif., San Diego—June 27, by Common Council, water distributing system in Morena Blvd., etc., 5,149 lin.ft. 16 in. centrifugally cast iron pipe Class 200, 4,669 ft. 10 in. Class 250, and 17,703 ft. 10 in. Class 150, 293 ft. 6 and 8 in. Class "C" c.i. pipe, etc. F. M. Lockwood, city engr.

Ont., Toronto — July 12, by T. Foster, mayor, one 750 imperial g.p.m. centrifugal waterworks pump with electric motor. $10,000. R. C. Harris, City Hall, engr.

Contracts Awarded

Mass., Boston—Metropolitan Dist. Water Supply Com., 24 School St., sinking 315 ft. and 335 ft. shafts, known as Contrs. 6 and 7, in Holden, to J. J. Coughlin & Sons, Inc., 24 School St., $162,125; also 455 ft. 430 ft. and 410 ft. shafts known as Contrs. 2, 3, and 4, in Rutland, to Dravo Contg. Co., Neville Island, Pittsburgh, Pa., $259,800. Noted June 2.

Mass., Boston—Metropolitan Dist. Water Supply Comn., 24 School St., 14,000 ft. 24 in. c.i. mains in Ashland and Framingham, to A. Morgavero, Peabody, $125,125. Noted May 19.

N. C., Burlington—Dam and impounding reservoir on Stony Creek, to J. F. Mitchell, Burlington, $40,408. Noted May 26.

Ill., Mt. Prospect—Village, water stubs, to G. Hardin, 3139 Indiana Ave., Chicago, $6,753. Noted June 2.

Ill., Springfield—1 m.g. elevated reservoir, 80 ft. diam., 40 ft. high, on circular concrete foundation, total height 100 ft., at Isles Park to Chicago Bridge & Iron Co., 37 West Van Buren St., Chicago, $59,120. Engrs. est. $75,000 Noted May 12.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, 4 enforced and 2 induced draft fans for Howard Bend Waterworks Station, to Clarage Fan Co., 2083 Ry. Exch. Bldg., $7,373; and one 112½ kva. a.c. generator driven by direct connected 6 cylinder vertical gasoline engine, to Reeves & Skinner, 2211 Olive St., $7,927. Noted May 12.

Tex., Perryton — Waterworks improvements, incl. 250,000 gal. water reservoir, 400 ft. 8 in. c.i. pipe, etc., to C. L. Burt, Hutchinson, Kan., approximately $32,000.

Okla., Konawa—See "Sewers."

Calif., Arcadia — City Trustees, 15,000 ft. 20 in. butt welded, 10 gauge steel pipe, to Western Pipe & Steel Co., 5717 Santa Fe St., Los Angeles, at $2.72 per ft., 7,875 ft. 12 in. Class "C" de Lavaud c.i. pipe, to U. S. Cast Iron Pipe & Fdry. Co., Wright & Callendar Bldg., Los Angeles, $1.676 per ft.; 4,150 ft. 14 in. bell and spigot, lap-welded pipe, to Grinnell Co. of the Pacific, 520 Mateo St., Los Angeles, $9,337; also 18,373 ft. 4- to 10-in. pipe, to Amer. C.I. Pipe Co., Rives Strong Bldg., Los Angeles, approximately $13,575. Noted May 5.

Calif., Sacramento—Pipe line for filtration plant east North B St. to 18th St., Lock-bar pipe, to Western Pipe & Steel Co., 444 Market St., San Francisco, $104,683. Noted Apr. 21.

B. C., Point Grey—See "Streets and Roads."

Sewers

Proposed Work

N. H., Claremont—Town postponed construction sewerage system. $500,000. Noted Mar. 31.

Conn., Bridgeport—Rejected bids May 6, types screenings. Fuller & McClintock, 170 Bway., New York City, engrs. Noted Apr. 21.

N. J., Ellisburg (mail Camden)—Delaware Twp. Com. plans sewers in various streets. $50,500.

O., Oxford—City and Western College plan new sewage disposal plant. $100,000.

Ind., Anderson—Making plans sewer in Arron Ave. $100,000. M. H. Downey, Anderson, engr.

Mich., Dearborn — Making plans West Michigan Trunk Sewer, 5,207 ft. concrete, brick, vitr. and c.i. pipe. R. H. Erley, village engr.

Mich., Royal Oak (Ind. br. Detroit) — Making plans 24,000 ft. 12- to 24-in. sewer in Maple Crest and North Park Dists. E. M. Shafter, Royal Oak, engr.

Mo., Deepwater—Making surveys sewerage system. Election soon bonds to exceed $25,000 for same. Rollins & Co., 521 Railway Exch. Bldg., Kansas City, engrs.

Mo., Fredericktown—Making preliminary plans sewage disposal plant, and 8- to 12-in. concrete sewers in various streets. To exceed $25,000. Edward Flad & Co., 916 Chemical Bldg., St. Louis, engrs.

Mo., Ironton—Making preliminary plans sewerage system and disposal plant. W. A. Fuller, 1917 Ry. Exch. Bldg., St. Louis, engr.

Mo., St. Louis—Made plans Sect. "B" Mill Creek Relief Sewer bounded by Clayton, Easton, Vandeventer and Taylor Aves., rein.-con., horseshoe. $742,000. W. W. Horner, 300 City Hall, engr.

Ark., Fort Smith—Making preliminary plans 4 ft. sewer from Rogers and Towson Aves. to Poteau River, $55,000; relaying 2,500 ft. vitr. clay sewer in Wheeler Ave., $10,000; and auxiliary sewer in 13th and C Sts., to main line sewer, $16,000. W. H. Evans, City Hall, engr.

Tex., Alamo Heights — Plans complete sewerage system. S. F. Crecellius, 201 Torcido Dr., San Antonio, engr. $120,000 bond election June 11 for same.

Tex., Amarillo — Voted $300,000 bonds, sewers in various streets. J. D. Bartlett, city mgr.

Tex., Arlington—Made plans improving sewers, incl. extending mains, etc., in various streets. $30,000. Myers, Noyes & Forrest, 1107 Mercantile Bank Bldg., Dallas, engrs. Noted Mar. 24.

Tex., San Angelo—Voted $225,000 bonds sewers in various streets. Address E. V. Spence, city mgr.

Tex., San Antonio—Making preliminary plans sewers in Los Angeles Heights, near here. $60,000. Address L. L. Martin, 1221 Redondo St., San Antonio, chn. com.

Okla., Canton—Made preliminary plans new sewerage system. $30,000. B. W.

Calif., Redwood City—Made plans 15,204 ft. 4- to 8-in. vitr. sewer, etc., in Stafford and Arguello Sts., etc. C. L. Dimmitt, city engr.

Bids Desired

Mass., Beverly—June 24, by South Essex Sewerage Bd., Fort Ave., Salem, Sect. 8 Rial Side Trunk Sewer, 3,300 lin.ft. 30 x 42 in. oval concrete, 230 lin.ft. 30 in. and 200 lin.ft. 20 in. c.i. pipe. Private plans.

Mass., Boston—June 21, by Dept. Pub. Wks., sewerage works in Crowell St., Dorchester; and June 28, in Olmstead St., West Roxbury. $25,000. J. H. Sullivan, comr.

Conn., Waterbury—Taking bids 3 sewers in Overlook Dist. $45,000. R. A. Cairns, city engr. Noted June 9.

N. Y., Albany—June 20, by Bd. Contr. & Supply, City Hall, constructing Beaver St. Sewer in Cortland and Cliff Sts., also sewers in Southern Blvd., Harding, Twitchell and Harvard Sts.

N. Y., Long Island City—June 22, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., sewer in Sutphin Blvd., Ramsey, Ryderson, Tuckerton, and 150th Sts., Liberty, 95th Aves., etc.

N. Y., Mamaroneck — July 5, by Bd. Village Trustees, Halstead and Ward Aves., constructing Sewer Contrs. 8, 9, and 10 of Sewerage System. R. H. Stevens, Hillside Arcade, Larchmont, engr.; adv. E. N.-R. June 16.

N. Y., New York—June 22, by H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., sewer in Timpson Pl., 234th St. and Cruger Ave.

Pennsylvania—June 28, by Boro Councils of Zelienople and Harmony, at Boro Hall, Zelienople, double Imhoff type clarifying tank and sludge drying bed with appurtenances for Zelienople; and smaller plant of same type for Harmony. Bids on either or both plants. Hudson & Myron, Wabash Bldg., Pittsburgh, engrs.; adv. E. N.-R. June 16.

Pa., Phila.—June 22, by Dept. Pub. Wks., Bureau of Engineering, Schedule A, branch sewers in various streets; Schedule B, test borings, etc. G. H. Biles, dir.

D. C., Wash. — June 21, by District Comrs., District Bldg., 11,265 lin.ft. 7 ft. 9 in. to 7 ft. 10 in. sewers in various streets.

Va., Richmond—Bd. Pub. Wks., R. Keith, dir., taking bids 21,000 ft. 8- to 60-in. sewers in various streets.

Ill., Chicago — July 7, by H. C. W. Laubenheimer, clk. Sanitary District of Chicago, 910 South Michigan Ave., Proposals for West Side Sewage Treatment Works, Divs. D, E, J and K. T. J Crowe, pres.; adv. E. N.-R. June 16.

Mich., Grand Rapids—June 22, by F. H. Locke, city mgr., 15,050 ft. 8- to 36-in. vitr. and concrete trunk sewer in Plaster Creek Valley.

Mich., Wyandotte — June 28, by City, E. C. Bryan, clk., sewers in Special Assessment Dist. 76. Hubbell, Hartgering & Roth, 2640 Buhl Bldg., Detroit, Mich., consult. engrs.; adv. E. N.-R. June 16.

Wis., Janesville — See "Streets and Roads."

Wis., Milwaukee—See "Unclassified."

Tex., Crystal City — June 22, by City, sewers in various streets. $35,000. Address J. J. Wainwright, mayor.

*Constr. News page 185

D. C. Serber Company

History: After 12 years of extensive contracting work, D. C. Serber Company was chosen by the New York Transit Commission to handle Section 3, Route 105, of the new Eighth Avenue subway line. Although this particular section presents unusual difficulties, the work has gone ahead without serious delays and is sure to be completed within contract time.

Below are listed a few of the Serber Company's better-known jobs:

1914–15: The construction of a reservoir and sewage disposal plant at Altoona, Pa.

1916–21: Various New York subway stations and the underground passages leading to them.

1923–25: Machine shops for the New York subway system (148th St. yards).

1925–26: A group of inspection sheds, also for the subway system.

1926–27: Section 3, Route 105, of the West Side line now under construction.

Personnel: D. C. Serber, President and Chief Engineer; G. M. Serber, Secretary and Treasurer; Alexander Lyle, Engineer; Robert Correll, Superintendent.

(This is one of a series on the New York subway contractors.)

Above, left: **Ingersoll-Rand Compressors supplying air for the D. C. Serber subway work.**

Above, right: **Ramp leading to the heading underneath the "El" structure.**

Oval: **A view of the blacksmith shop.**

How New York City is building 10 miles of New Subways

Only the best is "good enough" for the subway contractors. Nothing else will fill the bill.

When they specify "Ingersoll-Rand," they know they are getting Rock Drills and Air Compressors that will see them through the subway grind and still be good for many years of active service.

This is a test that only the finest will meet.

Ask for complete descriptive literature on Ingersoll-Rand Air Compressors and Rock Drills.

INGERSOLL-RAND COMPANY — 11 BROADWAY, NEW YORK CITY

Offices in principal cities the world over

FOR CANADA REFER-CANADIAN INGERSOLL-RAND CO. LIMITED, 10 PHILLIPS SQUARE, MONTREAL, QUEBEC

46-RDM

Ingersoll-Rand

Sewers (Continued)

Calif., Gilroy—City Trustees taking bids sewage disposal plant, and 15,000 lin.ft. 15 in. vitr. or concrete pipe outfall sewer in various streets. H. B. Fisher, Growers Bank Bldg., San Jose, engr. Noted Apr. 8.

Que., Montreal—June 20, by Chairman City Executive Com., sewers in 6 streets. $110,000. H. A. Terreault, city engr. Noted June 9.

Contracts Awarded

N. Y., Brooklyn — J. J. Byrne, pres. Brooklyn Boro, Boro Hall, May 25, sewers in Linden Blvd., to S. Guerriero, 1024 66th St. $13,430, in West 1st St., to R. Nazzarro, Inc., 1550 62nd St. $9,594, in Linden Blvd., to A. Leonard, $8,724, in East 92nd St., to Manmill Constr. Co., 1780 Pitkin Ave. $4,694, and in 72nd St. to A. W. Matarazzo, 1163 61st St. $2,130; also sewer basins in various streets to P. J. Donlin Contg. Co., 7624 15th Ave., $15,900. Grand total $54,472. Noted May 19.

N. Y., New York—H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., sewers in Allerton Ave., to Anita Constr. Co., 2975 Marion Ave., $81,147; and in West 265th St., to P. Bruno, 1659 Holland Ave., $7,250. Noted May 28.

O., Rocky River (br. Cleveland)—Sewer and watermain in Hilliard Rd., to Cogito Constr. Co., 12616 Corlett Ave., Cleveland, $69,000. Noted May 19.

Ill., Staunton—Bd. Local Impvts., City Hall, sewers in various streets, incl. 97,939 ft. 8- to 15-in. vitr. clay pipe, 196 ft. 10 and 16 in. c.i. pipe, 208 plain and 34 drop manholes, 26 non-automatic flush tanks, 75 lampholes, sewage disposel plant, etc., to V. E. Taylor, 110 Orchard St., Webster Groves, Mo. Noted May 26.

Wis., Milwaukee—Metropolitan Sewerage Comn., 508 Market St., Sect. 2 Fox Point Main Sewer, Green Tree Rd., 6,950 ft. concrete pipe, 580 ft. standard and 222 ft. drop manholes, etc., Contr. 43, to J. Brogan & Sons, Green Bay, $165,979.

Ia., Hampton—See "Streets and Roads."

Ia., Wapello—Vitr. sewers in various streets, to I. M. Ipsan, Fairfield, $26,400.

Kan., Horton—Main and district sewers, also sewage disposal plant, to Mid-State Constr. Co., Hastings, Neb. $21,519 and $33,498 respectively. Noted May 19.

Wyo., Laramie — Sewers in various streets, to A. H. Reed & Co., Cheyenne. $41,531.

Mo., Kansas City—Sewers in Dist. 436, to Kimlin Constr. Co., 3426 Michigan St., $60,274; in Dists. 319 and 322, to Halpin-Boyle Constr. Co., 1923 Main St., $24,917 and $39,011 respectively. Grand total $124,202.

Okla., Konawa—For 27,400 ft. 6- to 12-in. tile sewer in all streets, and waterworks extensions, to E. W. Baker, 414 Medical Arts Bldg., Oklahoma City, $60,808 and $12,220 respectively. Noted Apr. 21 and June 9.

Calif., Inglewood—Vitr. or concrete sewer in Municipal Impvt. Dist. 2, to Spencer & Holt, Frost Bldg., Los Angeles, $67,967. Noted May 19.

Calif., Stockton—A. L. Banks, city clk., 4 and 14 in. vitr. and 8- to 72-in. concrete sewers, etc., in West Tuxedo near Yosemite Lake, to Frederickson Bros., 1st Natl. Bank Bldg., $45,015. Noted May 19.

B. C., Point Grey — See "Streets and Roads."

Waste Disposal

Proposed Work

Tex., San Angelo—Voted $25,000 bonds, new incinerator. Address E. V. Spence, city mgr.

Bridges

Proposed Work

North Carolina—State Hy. Comn., Raleigh, plans rein.-con. bridges, etc., over Contentnea Creek, on Project 1995, Wilson Co., $31,000; on Project 604, Alexander Co., $42,000; and on Project 315, Brunswick Co., $35,000. L. R. Ames, Raleigh, engr.

Ill., Quincy—Soon takes bids two 625 ft. span steel and concrete girder bridge over Mississippi River. $760,000. C. A. P. Turner, 300 Builders Exch., Minneapolis, Minn., engr. Noted Sept. 16.

Wisconsin—State Hy. Comn., Madison, made plans Tierney Bridge, Waumandee, Buffalo Co.; Carter Bridge, Albion, Jackson Co.; Nine Mile Creek Bridge, Wolf River, Langlade Co.; Lanters Bridge, Port Washington, Ozaukee Co.; and Leavens Avenue Bridge, Sheboygan Falls, Sheboygan Co. C. H. Kirck, bridge engr.

Kan., Paola—See "Streets and Roads."

Kan., Wichita—See "Streets and Roads."

Ark., Dardanelle—State Hy. Comn., Little Rock, Yell Co. (Dardanelle) and Pope Co. (Russellville), Bridge Dist., take bids in July, 2,432 ft. rein.-con. and steel bridge over Arkansas River, here. $600,000. G. H. Sykes, State Hy. Comn., Little Rock, engr. Noted Jan. 6.

Tex., Albany—See "Streets and Roads."

Tex., Colorado—See "Streets and Roads."

Calif., Riverside — Riverside Co. made plans four 150 ft. span steel and concrete bridge over Santa Ana River, at Auburndale, to exceed $75,000; also three 100 ft. span steel and concrete bridge over San Jacinto River, Gilmans Hot Springs, to exceed $40,000. R. V. Leeson, San Fernando Bldg., Los Angeles, engr. Noted May 5.

Ont., Renfrew — G. S. Henry, minister Highways, Toronto, soon takes bids steel bridges over Madawaska River, Elgin St., Constant Creek, Large Fill, Bay-Peugh, and 13 small bridges in South Renfrew; also constructing road between Braeside and Sandpoint. $300,000.

Bids Desired

Conn., Waterbury—Taking bids 2 concrete bridges, one over Mad River at Mill Plain and other over Naugautuck River at Platts Mills. To exceed $25,000. R. A. Cairns, city engr. Noted May 5.

Pa., Pittsburgh — June 22, by Comrs. Allegheny Co., Court House, substructure, bridge masonry and approach filling for 2,980 ft. bridge over Allegheny River, on 31st St., here. $1,700,000. County Bureau of Bridges, 519 Smithfield St., engrs.

Md., Baltimore—June 22, by Bd. Awards, 116 ft. concrete and steel bridge, 58 ft., over Windsor Mill Rd., on Clifton Ave.

Virginia—See "Streets and Roads."

Va., South Norfolk (Norfolk P. O.) — June 20, by Norfolk-Portsmouth Bridge Corp., Park and Truxton Sts., Norfolk-Portsmouth Bridge, 5 through riveted steel truss spans with rein.-con. floor, 1 vertical lift span, steel precast trestle with precast concrete piles, 20 ft. roadway, 4 ft. sidewalks, 1,680 tons structural metal, 80 concrete precast piles, 350 timber piles, etc. Harrington, Howard & Ash, Orear-Leslie Bldg., Kansas City, Mo., engrs.

Florida—See "Streets and Roads."

Tennessee—See "Streets and Roads."

O., Cleveland—June 18, by Comrs. Cuyahoga Co., repairing bridge over Rocky River, on Lorain Rd. $77,085. Former bids rejected. F. Lander, Court House, engr. Noted May 5.

Indiana—June 20, by J. D. Williams, dir. State Hy. Comn., Indianapolis, rein.-con. girder bridge over Monon R.R. tracks, on State Rd. 41-B, Project 41, Lake Co., also 18,000 cu.yd. grading.

Mich., Monroe—June 20, by City Comn., F. M. Kressbach, city clk., 216 ft. rein.-con. arch bridge, 60 ft. over Raisin River, Monroe St.

Wisconsin—See "Streets and Roads."

Wis., Wisconsin Rapids — June 23, by State Hy. Comn., Citizens Natl. Bank Bldg., Ganzer Bridge one 50 ft. plate girder span, etc., on Sta. 119, Federal Aid Project 448-A, town of Wonewac, Juneau Co., 12,440 lb. reinforcing, 45,230 lb. structural and 1,830 lb. cast steel. G. E. Eldred, acting div. engr.

Ia., Eldora — June 22, at office Auditor Hardin Co., 240 x 24 ft. concrete open spandrel arch bridge with 5 ft. sidewalk. J. R. Maher, Eldora, co. engr.

Kan., Marion—July 6, by Clerk Marion Co., two 50 ft. span concrete deck girder bridge, on Federal Aid Project 217-A. C. M. Hartsock, Marion co. engr.

Kan., Oskaloosa—June 30, by Clerk Jefferson Co., four 20 ft. and two 30 ft. I-beam spans also one 80 ft. arch span bridge, on Route K 30 Project 85. R. C. Ham, Oskaloosa, co. engr.

Kan., Smith Center—See "Streets and Roads."

Neb., Wayne—June 28, by Comrs. Wayne Co., 16 ft. concrete slab, one each 30 ft. steel I-beam, 50 ft. steel and 40 ft. steel girder span bridges. C. W. Reynolds, Wayne, co. clk.

Missouri—June 24, by State Hy. Comn., Jefferson City, bridges in 6 counties, T. H. Cutler, ch. engr.

Mo., St. Louis—June 28, by Bd. Pub. Serv., 208 City Hall, 1,750 ft. rein.-con. viaduct to carry Arsenal St. over St. Louis-San Francisco R.R. tracks. $112,700. Takes bids later approximately 70,000 cu.yd. earth fill, 300 ft. retaining walls, 10- to 22-ft. high, etc. L. R. Bowen, City Hall, engr. Noted June 9.

Texas—See "Streets and Roads."

California—June 27, by State Hy Dept., Sacramento, two 35 ft. rein.-con. girder span bridge over Rattlesnake Creek, point 2 mi. west of Alturas, Modoc Co.; also one 34 ft. girder and two 15 ft. slab span rein.-con. bridge over Wildcat Creek, Contra Costa Co. R. M. Morton, Strub Bldg., Sacramento, engr.

Ont., Owen Sound — June 18, by R. C. McKnight, County Bldgs., 28 rein.-con. culverts in Proton and Egremont Twps., 5 in Osprey Twp., and 2 in Artemesia Twp. $30,000.

Contracts Awarded

Vermont—See "Streets and Roads."

O., Sandusky — Sandusky Bay Bridge Co., c/o G. S. Beckwith, Hickox Bldg., Cleveland, steel and concrete bridge over Sandusky Bay, here, dredging, to Great Lakes Dredge & Dock Co., Williamson Bldg., Cleveland; concrete sub-structure, to A. Bentley & Sons, 201 Belmont Ave., Toledo; super-structure, to Mt. Vernon Bridge Co., Mt. Vernon; and paving, to Homberger & Wagar Eng. & Constr. Co., Sandusky. Engrs. est. $1,500,000.

Ind., East Chicago—Lake Co. (Crown Point), bridge over U. S. Ship Canal, here to Standard Eng. & Constr. Co., 2463 Bway., Toledo, O., $164,948. Noted Jan. 20 under "Crown Point."

Illinois—State Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, bridges on Route 78, Sect. 129-B, Peoria Co., to A. P. Munsen, Marion, $54,354, on same route Sect. C, to Vincennes Bridge Co., Vincennes, Ind., $6,359; on Route 99, Sect. 102-B, Hancock Co., to H. L. Roberts, Rushville, $9,625; on Route 121, Sect. 139-B, Macon Co., to W. C. Johnson, Belleville, $25,527; and on Route 70, Sect. 107-B, Ogle Co., to O. G. Hiveley, Freeport, $9,368. Grand total $105,233. Noted Mar. 3 and 31.

Kan., Clay Center—Clay Co., 7 bridges on Federal Aid Project 385-A, to Yancey Constr. Co., Abilene, $40,739. Noted May 5, under "Streets and Roads."

Kan., Ft. Scott — Bourbon Co., one 110 ft. arch span and one 40 ft. deck girder span bridge on Federal Aid Project 5-C, to Kelly & Underwood Constr. Co., Granby, Mo. $23,557. Noted May 5.

Dams

Contracts Awarded

Tex., Abilene—For ¾ mi. earthen dam across Cedar Creek, to Womack Constr. Co., Sherman, $162,651. Noted May 5.

Railways

Proposed Work

Texas—San Benito & Rio Grande Valley Ry. Co. (subsidiary Missouri Pacific R.R. Co., E. A. Hadley, ch. engr., Railway Exch. Bldg., St. Louis, Mo.), plans 6 mi. northerly and 16 mi. southerly branch line toward Point Isabel, here.

Texas—San Antonio & Aransas Pass Ry. (subsidiary of Southern Pacific, G. W. Boschke, ch. engr., 65 Market St., San Francisco, Calif.), plans 30 mi. line from Falfurrias to Harlingen (now under construction) to Brownsville), here.

Contracts Awarded

Manitoba—Canadian Pacific Ry., Windsor Sta., Montreal, Que., J. M. R. Fairbairn, ch. engr., constructing 22 mi. railroad from Cassils to Bow Slope, to R. H. Ross Co., Ltd., Calgary, Alta.; 64 mi. from Cutknife to Whiteford, to Roosa & Wickersand, Swift Current, Sask.; 21 mi. from Rosetown to Perdue, to Dutton & Mannix, Winnipeg, Man.; and 20 mi. from Asquith northwesterly, to W. A. Dutton, Winnipeg, Man.

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

Mo., Bigelow—Tarkio Drainage Dist., c/o G. W. Poynter, secy., soon takes bids excavating approximately 200,000 cu.yd. along Big Tarkio River west of here. Leslie Eng. Co., 820½ Felix St., St. Joseph, engrs.

Mo., St. Louis—See "Bridges under Bids Desired."

Constr. News page 385a

Excavation, Drainage, Irrigation, Levees, River and Harbor (Continued)

Ark., Pine Bluff—English Levee Dist., L. W. Clemmons, comr., making preliminary plans approximately 100,000 cu.yd. earthwork, etc. E. Hale, 1st Natl. Bank Bldg., engr.

Ark., Pine Bluff—Harding Lake D.D., c/o R. H. Williams, chn., making preliminary plans levee, drainage ditches and flood control system, incl. pumping equipment. $320,000. E. Hale, G. B. Smith and E. B. Reynolds, Pine Bluff, engrs.

Ark., Pine Bluff—Special Levee Dist., c/o City Clerk, making preliminary plans approximately 3¼ mi. levee from Pine Bluff east to free bridge. F. Allen, City Hall, engr.

Tex., El Paso—El Paso Co., c/o E. B. McClintock, judge, making preliminary plans levee embankment to keep out flood waters, etc. $100,000 bond election soon for same. F. Wilson, El Paso, engr.

Bids Desired

New York—June 27, by T. F. Farrell, comr. Canals & Waterways, State Pub. Wks., Bldg., bank protection at Lock 20 and Stony Creek Bridge, Contr. M-32; adv. E. N.-R. June 16.

Contracts Awarded

Conn., New Haven—United Illuminating Co., 84 Temple St., excavation work for rein.-con., brick and steel power plant, Grand Ave., to Clark-Barrone Co., Oak and Wight Sts. Archts. total est. $3,000,000. Noted Mar. 24.

Ill., Beardstown — Illinois State Div. Waterways, 950 Transportation Bldg., Chicago, flood protection work, incl. concrete river front wall, etc., to J. O. Heyworth Co., 606 South Michigan Ave., Chicago, $174,200; earth levees, to McWilliams Dredging Co., McCormick Bldg., Chicago, $138,750. Noted Apr. 28.

Calif., La Mesa — Directors La Mesa, Lemon Grove & Spring Valley Irrigation Dist., to U. S. Cast Iron Pipe Co., Wright-Callendar Bldg., Los Angeles, improving La Mesa Irrigation Dist., 3,400 ft. Class "150" c.i. pipe at $1.93 per ft., and 1,600 ft. "50" c.i. pipe $1.84; to Water Works Supply Co., Wright-Callendar Bldg., Los Angeles, gate valves, $263.80.

Que., East Templeton—Dominion Govt., Ottawa, dredging, here, to Randolph Macdonald Co., Crown Office Bldg., Toronto, Ont., $40,000.

N. S., Yarmouth—Dept. Pub. Wks., Ottawa, Ont., dredging, here, to Beacon Dredging Co., Ltd., Halifax, $45,525.

Streets and Roads

Proposed Work

Mass., Brookline—(br. Boston)—Plans bituminous macadam paving Longwood Ave. $25,000 or more. Private plans.

R. I., Cranston—Plans layingout, widening and improving Cranston and Broad Sts., Park and Gansett Aves. $25,000 or more. Private plans.

N. J., Dover—Twp. Com., T. Fischer, clk., Toms River, plans paving portions Main, Washington and Hooper Sts., here. $35,000.

North Carolina — State Hy. Dept., Raleigh, plans clearing, grading etc. 5.71 mi. Project 5770, Randolph Co. $30,300, 11.904 mi. Project 315, Brunswick Co. $65,000, 6 mi. Project 188, Pitt Co. $32,000, 9.102 mi. Project 228, Greene Co. $36,700; 16.955 mi. Project 826, Cleveland Co. $84,000; clearing, grading and top-soiling 3.146 mi. Project 527, Davidson Co. $25,600, 7.668 mi. Project 8220, Cleveland Co. $42,000, and 6.744 mi. Project 604, Alexander Co. $50,000; grading and concrete or asphalt paving 4 mi. Project 5840, Randolph Co. $100,000, 3.324 mi. Project 4890, Wake Co. $71,500, 9.928 mi. Project 4800, Wake Co. $238,000, 8.988 mi. Project 231, Greene Co. $185,000, 5.874 mi. Project 6760, Rowan Co. $149,700, 10.516 mi. Project 1580, Nash Co. $230,000, 5 mi. Project 7780, Wilkes Co. $112,500, 6.179 mi. Project 8400, Henderson Co. $129,000, 10 mi. Project 1961, Washington Co. $205,000, and 10 mi. Project 1960, Washington Co. $205,000; and sand asphalt paving 13.731 mi. Project 374, Pender Co. $226,500. L. R. Ames, Raleigh, engr.

Ga., Cartersville — J. C. Sarlington, mayor, takes bids about June 18, paving, etc., approximately 9,000 sq.yd. various streets.

Fla., Sarasota—City Council plans repairing 17 streets. $93,711.

Miss., McComb — Making preliminary plans grading, curbing, hardsurfacing, etc., 50 blocks various streets. L. W. King, City Hall, engr.

Tenn., Franklin — Williamson Co. and Dept. Highways & Pub. Wks., Nashville, plan grading and reconstructing 25 mi. College Grove-Notensville Rd. Work will probably be done by state maintenance forces and equipment.

O., Akron—W. F. Peters, dir. Pub. Serv., soon takes bids grading, curbing guttering and sheet asphalt resurfacing 14,720 sq.yd. Grant St., 30 to 40 ft. $84,800. E. A. Kemmler, Municipal Bldg., engr.

O., Dayton—Plans sheet asphalt on concrete or rein.-con. paving, etc., 13,300 sq.yd. Webster, Idylwild and Babbitt Sts. $50,000. J. F. Hale, city engr.

Ind., Anderson—Making plans asphalt paving 1⅛ mi. Washington St. $44,000. A. B. Steele, Anderson, engr.

Michigan—W. W. Lavers, resident engr., Plymouth, takes bids about June 24, concrete paving 1.405 mi. T. L. 34-S, Project MO46-7, Lenawee Co., for State Hy Dept., Lansing.

Mich., Wyandotte—Making plans concrete curbing, and one course 8 in. concrete paving approximately 70,000 sq.yd. various streets. $200,000. Hubbell, Hartgering & Roth, 2640 Buhl Bldg., Detroit, engrs.

Ill., Cambridge—Plans grading, curbing, and brick or concrete paving 26 blocks various streets. $100,000. R. M. Benell, City Hall, Moline, engr.

Ill., Chicago—See "Unclassified."

Ill., Granite City—Making preliminary plans and soon takes bids grading, curbing and 8 in. rein.-con. paving, etc., West 19th St. $37,600. W. W. Kerch, 1st Natl. Bank Bldg., engr.

Ill., Rock Island—Plans grading, curbing and rein.-con. paving 16 blocks 43rd St., 20th Ave. and 5 alleys. $45,000. W. E. Triechler, Court House, engr.

Ill., Wood River—Takes bids about July 1, grading and concrete paving 6.2 mi. various roads. $185,000. W. E. Howden, Edwardsville, engr.

Wisconsin—State Hy. Comn., Capitol Annex, Madison, rejected bids May 13, crushed stone surfacing, etc., 15,500 cu.yd. Sauk City-Spring Green Rd., Jobs 10694 and 10767. A. L. Hambrecht, div. engr.

Wis., Elkhorn — Walworth Co., H. J. Peters, highway comr., plans graveling 14 mi. Trunk Highways 89, 20, 26, 36 and 50; also constructing new approaches to Turtle Creek Bridge. $25,000. H. W. Vroman, div. engr.

Wis., West Bend—C. Johnson, highway comr. Washington Co., plans graveling 13.5 mi. Trunk Highways 60, 83 and 15; also replacing Dorath Bridge and approaches, on Trunk Highway 84. $33,050. H. W. Vroman, div. engr.

Ia., Albia — Monroe Co. voted $600,000 bonds, graveling and paving various roads. E. Seidel, Albia, co. engr.

Ia., Cedar Rapids—Soon takes bids grading, curbing, guttering and 7 in. rein.-con. paving, etc. 35,713 sq.yd. and brick paving 600 sq.yd. various streets and alleys. To exceed $97,617. S. F. Alden, City Hall, engr.

Kan., Paola—Clerk Miami Co. soon takes bids grading and bridging 5.782 mi. Federal Aid Project 293-D, 20 x 30 ft. L. E. Keefer, Court House, co. engr.

Kan., Wichita—Sedgwick Co. soon takes bids grading, concrete paving and 2 bridges on 8.21 mi. Federal Aid Project 342-B, 18 ft. G. H. Bradford, Court House, engr. Noted Dec. 30.

Mo., Joplin—Soon takes bids concrete paving 7,650 sq.yd. Connor Ave., $15,300; 6,850 sq.yd. Porter Ave., $13,700; and 1,050 sq.yd. 32nd St., $2,333. S. P. Ashcraft, Jr., City Hall, engr.

Mo., Poplar Bluff—Making preliminary plans grading, curbing and concrete paving 10 blocks various streets. E. C. Nickey, City Hall, engr.

Mo., Warrenton — Making preliminary plans grading, curbing, asphaltic amiesite concrete paving, etc., 4,500 ft. Main and connecting streets, 45 ft. $49,000.

Mo., St. Louis — Bd. Pub. Serv., 208 City Hall, making preliminary plans concrete paving, etc., alleys in City Blocks 994, 1381, 4038, 4087, 4334-B, 4821-A, 5588-A, 5829, 6007, 6008 and 5357. $33,180. W. W. Horner, City Hall, engr.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, made plans warrenite, asphalt or amiesite paving Enright Ave. between Vandeventer St. and Taylor Ave., $132,800-$134,400; concrete paving Loughborough St. between Salzburger and Gravois Sts., $9,400; warrenite bitulithic, amiesite or asphalt paving Oregon Ave. between Lafayette St. and Russell Blvd. $24,600-$24,800, and Oregon Ave. between Russell Blvd. and Accomac St. $8,000-$8,600; asphalt, amiesite, warrenite or brick paving Botanical St. between Kingshighway and Southwest Sts. $14,600-$17,200, Walsh St. between Grand Blvd. and Missouri Pacific R.R. tracks $32,200-$37,800, Walsh St. between Ulena St. and point 96 ft. east of Collins Ave. $30,900,$35,600, Emma Ave. between Kingshighway N. W. and Mimika St. $23,500-$25,200, Theodore St. between Abbott and Thrush Sts. $17,300-$18,500; asphaltic concrete, rein.-con. or vibrolithic concrete paving Marnice Pl. between Ashland and Labadie Sts. $15,000-$15,500; rein.-con., amiesite, asphaltic concrete, warrenite or vibrolithic concrete paving Bergen Ave. between Gerritt and Morgan Ford Sts. $35,700-$38,500, 38th St. between Nebraska and Osceola Sts. $12,600-$15,200, 37th St. between Delor and Walsh Sts. $8,700-$9,300, and Catalan St. between Bway. and Minnesota Sts. $12,400-$13,200. W. W. Horner, city engr.

Ark., Fort Smith—Making preliminary plans grading, curbing and concrete paving, etc., Towson Ave., Little Rock Rd. and Midland Ave., etc. $275,000. W. H. Evans, City Hall, engr.

Ark., Little Rock—Making preliminary plans widening, grading, curbing and paving 9 blocks Main St., 5 blocks 33rd St., and 10 blocks 28th St.; also extending Main St. White Way from 7th to 17th Sts. $125,000. A. M. Lund, Home Insurance Bldg., engr.

Ark., Pine Bluff — Making preliminary plans grading, curbing and concrete paving 3rd and Alabama Sts. $25,000.

Tex., Albany — Shackelford Co. made plans and soon takes bids grading and bridging 17.359 mi. Highway 1, Federal Aid Project 495-A, Unit 1. $76,000.

Tex., Amarillo—Voted $100,000 bonds, paving various streets. Address J. D. Bartlett, city mgr.

Tex., Beaumont—See "Unclassified."

Tex., Clairemont—Kent Co. making plans hard paving 35 mi. Highway 84, $400,000. Nagle, Witt, Rollins & Gilchrist, c/o J. M. Nagle, Paducah, engrs.

Tex., Colorado—Mitchell Co. voted $40,000 bonds, grading, bridging, etc., 8 mi. roads in Precinct 2. Address C. C. Thompson, Colorado, co. judge.

Tex., Graham—Voted $1,200,000 bonds, constructing roads. G. C. Johnston, Graham, co. engr. Noted May 12.

Tex., Hebbronville—Jim Hogg Co., c/o A. M. Brumfield, judge, making plans improving 5.48 mi. Highway 12-A, Corpus Christi-Laredo Rd. $37,250. E. J. Foster, Hebbronville, engr.

Tex., San Angelo—Voted $355,000 bonds, permanent paving 150 blocks various streets. Total $1,000,000. Address E. V. Spence, city mgr.

Okla., Seminole—Plans grading, curbing, concrete paving 7,800 sq.yd. vertical fibre brick paving 2,700 sq.yd. Dist. 9. $62,333. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., Temple—Plans grading, curbing and concrete paving 26,200 sq.yd. Main St. $85,000. P. Sullivan, Temple, engr.

Okla., Tulsa—Plans sheet asphalt paving 8,100 sq.yd. South Atlanta St. $31,770. C. Schultz, City Hall, engr.

Colo., Denver—Plans concrete paving Alley Paving Dist. 176. J. W. Vickery, city engr.

Calif., Alhambra — Plans 2½ in. oil macadam paving and 5- to 7-in. concrete paving Ethel Ave., etc. To exceed $25,000.

Calif., Beverly Hills — Plans grading, curbing and 6 in. concrete paving, etc., Angelo Dr., Carlford Way, etc. To exceed $25,000.

Calif., Corcoran—Plans bituminous paving 400,000 sq.ft. various streets.

Calif., Hawthorne—Plans curbing, guttering, walks and 4 in. asphaltic concrete paving portions Wilbur Ave., etc. To exceed $25,000.

Calif., Oakland—Made plans grading and 2 in. Warrenite bitulithic on 6-in. concrete paving, etc., 87,075 sq.ft. Foothill Blvd., and 90,652 sq.ft. 14th and Peralta Sts., northwest. W. W. Harmon, city engr.

Calif., Redlands—Plans grading, curbing, guttering, oiling and surfacing, etc., Mariposa Dr., Garden Court and Fort St., etc. To exceed $25,000.

Calif., San Diego — Common Council plans grading, curbing, and 1,732 sq.ft. walks, etc., on N St., etc. F. A. Rhodes, city engr.

Calif., Santa Ana—Orange Co. making plans concrete paving approximately 2 mi. Artesia Ave. near Buena Park. To exceed $35,000. N. H. Neff, Santa Ana, co. surv.

Ont., Renfrew—See "Bridges."

Que., Three Rivers—City Council plans concrete and amiesite repaving various streets. $421,500. Z. Lambert, Three Rivers, engr.

Bids Desired

Massachusetts—June 21, by Dept. Pub. Wks., Boston, graveling 3,000 ft. highway in Great Barrington; bituminous macadam paving 2,500 ft. in Canton, 9,838 ft. in

Constr. News page 386

Streets and Roads (Continued)

Ware and West Brookfield, 4,600 ft. in Weston, and 3,750 ft. in Saugus; also bituminous macadam and rein.-con. paving 4,800 ft. in Taunton, all foregoing 18 ft. W. F. Williams, comr.

Mass., Boston—June 20, by Dept. Pub. Wks., recut granite block paving Alfred St., Ward 2. $25,000. J. H. Sullivan, comr.

Mass., Boston—June 22, by Dept. Pub. Wks., sheet asphalt or bitulithic paving Quincy St. in Wards 12, 13, 14 and 15. $30,000. J. H. Sullivan, comr.

Conn., Meriden—July 5, by City, Bd. Educ., grading, etc. at several schools. $30,000. C. P. Prann, city engr. Wynne & Hahn, 902 Chapel St., New Haven, consult. engr.

Conn., New Haven—Taking bids asphalt paving Wall St. to Mill River. $25,000 or more. E. Nettleton, city engr.

Conn., Wallingford—June 28, by Warden and Court of Burgesses, bituminous macadam paving 15,200 sq.yd. various streets. W. A. MacKenzie, boro engr., adv. E. N.-R. June 16.

N. Y., Albany—June 20, by Bd. Contr. & Supply, City Hall, repaving Watervliet Ave. and 2nd St., reconstructing Sand Creek Rd.; improving Austain Ave., Bertha, Clermont, Hart, Ledale, Roosevelt and West Lawrence Sts.

N. Y., Auburn — June 28, by J. P. Jaeckel, city mgr., City Hall, sheet asphalt, warrenite bitulithic or concrete paving, etc., 9,700 sq.yd. Osborne St. and Woodlawn Ave. J. J. Tehan, Auburn, engr.; adv. E. N.-R. June 16.

N. Y., Brooklyn — June 22, by J. J. Byrne, pres. Brooklyn Boro, Boro Hall, grading Meadow St.; grading and sheet asphalt on concrete paving Crescent and Nevins Sts., Pitkin, Union and 4th Aves.

N. Y., Long Island City—June 22, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., grading, sidewalks, etc., on 65th (Mt. Holyoke St.) Rd., 103rd and 29th (Singer) Sts., Steinway and Liberty Aves.; grading and asphalt block on concrete paving Steinway Ave.; sheet asphalt on concrete paving 106th and Hinman Sts.

N. Y., New York—June 17, by J. Miller, pres. Manhattan Boro, Municipal Bldg., sidewalks on Lenox Ave.; also grading and granite block paving Watts and Washington Sts.

N. Y., New York—June 22, by H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., grading Aldrus St., Riverdale and Whitlock Aves.; grading and sheet asphalt on concrete paving Walton, River, and Whitlock Aves., East 223rd, Dock, Aldrus Sts., etc.

N. J., Clayton—June 28, by Bd. Freeholders Gloucester Co., Woodbury, paving 2 mi. Clayton-Williamstown Rd., here. W. C. Cattell, Woodbury, co. engr.

N. J., Newton—June 28, by Sussex Co., grading and graveling 32,320 sq.yd. Swartswood Lake Rd., East Stillwater and Hampton Twps. H. Snook, co. engr.; adv. E. N.-R. June 16. Noted Mar. 3.

Delaware—July 6 ,by State Hy. Dept., Dover, grading and concrete paving or concrete (slag aggregate) paving 6,900 cu.yd., etc. Hartly-Kenton Rd. Contr., 83; Amiesite surfacing, etc. 760 ft. over Fishing Creek (Thompsonville Rd.), Contr. 85; grading and stone cement concrete paving or concrete paving (slag aggregate), etc. 1.050 cu.yd. Bethany Beach Government Rd., Contr. 86; graveling 3.2 mi. Ketts Hammock Rd., Contr. 84; adv. E. N.-R. June 16.

Md., Towson—June 21, by Comrs. Baltimore Co., concrete paving 1.49 mi. streets listed in Group 9, and 1.18 mi. 3 avenues in Group 8. S. A. Green, Courthouse, road engr.

Virginia—June 30, by State Hy. Comn., Richmond, grading, etc., Project S-466; and bridge on Project S-362. C. S. Mullen, ch. engr.; adv. E. N.-R. June 16.

Virginia—June 30, by State Hy. Comn., Richmond, improving roads on projects S-140-E, S-156-B, S-411-A, S-442-A-1, S-470, S-484-A also bridge on Project S-406-I, L. K. C. S. Mullen, ch. engr.; adv. E. N.-R. June 16.

Va., Richmond—Bd. Pub. Wks., R. K. Compton, dir., taking bids 1 course concrete paving portions 4th Ave. and Hull St., also asphalt paving portions Roseneath Rd. and Chamberlyne Ave.

Ga., Atlanta — June 20, by City Purchasing Agent, City Hall, plain concrete paving, etc., 20,079 sq.yd. 1st Ave., Griffin, Roy, Welch, Dahlgreen and Clay Sts. W. A. Hansell, City Hall, engr.

Florida—July 7, by State Road Dept., Tallahassee, **(F. means Project and R. Road)**, clearing, grubbing and grading 12 mi. P. 764, and 7 mi. P. 765, both R. 50, also 8.57 mi. P. 719, R. 5-A, all in Suwannee Co.; 8 in. Florida lime rock paving 6.96 mi. P. 677-A, R. 13, Levy Co.; also bridges across Dora Canal and Dead River, F. A. P. 53-B, R-2, Lake Co. K. L. Cresap, state highway engr.

Fla., Miami Beach — June 22, by City, C. W. Tomlinson, clk., concrete curbing, guttering, sand, slag or comos stone, chip cover on broken stone paving, etc. 30,110 sq.yd. streets in H-94, H-85, and H-96.

Miss., Ittabena—June 22, by City Clerk, grading, curbing, guttering, concrete paving, etc. 10,500 sq.yd. various streets. H. A. Mentz, Hammond, La., engr.

Louisiana—June 28, by State Hy. Comn., Baton Rouge, grading and graveling 12.185 mi. Jennings-Elton Highway, Federal Aid Project 183-A, Jefferson Davis Parish. J. M. Fourmy, Reymond Bldg., Baton Rouge, state engr.

Tennessee—July 8, by State Dept. Highways & Pub. Wks., Nashville, **(F.A.P. means Federal Aid Project and S.A.P. State Aid Project)**, grading, etc. 9.904 mi. Nashville-Wilson Co. line Rd., F.A.P. 80-A Davidson Co., 6.024 mi. Silverdale Rd., F.A.P. 78-B, Hamilton Co., incl. 2 bridges over 20 ft. span, 12.672 mi. Selmer-Mississippi State Line Rd., F.A.P. 212, McNairy Co. with separate bids for 5 bridges over 20 ft. span, 1.063 mi. State Highway 13, S.A.P. 342-C and D Houston Co., 14.479 mi. State Highway 71, S.A.P. 350-A, Sevier Co., incl. Pigeon River Bridge near Gatlinburg, 5.16 mi. Carthage-Elmwood Rd., S.A.P. 354-A, Smith Co., and 0.974 mi. State Highway 2, S.A.P. 356-A, Hamilton Co.; concrete paving 12.56 mi. State Highway 39, F.A.P. 211, Polk Co.; overhead bridge on State Highway 2, near Chattanooga, S.A.P. 339-D, Hamilton Co., also concrete deck girder bridge and separate approaches over Lookout Creek near Chattanooga, S.A.P. 356-B, Hamilton Co. $1,500,000. C. N. Bass, highway comr.

Ohio — June 27, by G. F. Schlesinger, Dept. Highways & Pub. Wks., grading and concrete paving, etc., 0.8 mi. Sect. "L-1" Ohio River Rd., 18 and 24 ft., Washington Co. $31,188.

O., Akron — June 20, by W. F. Peters, dir. Pub. Serv., grading, curbing and vitr. brick paving 6,900 sq.yd. Garry Rd., $45,000; and 4,873 sq.yd. Oakland Ave., $43,000. E. A. Kemmler, Municipal Bldg., engr.

O., Cadiz—June 24, by Village, W. H. Lucas, clk., grading, curbing and concrete paving 10,111 sq.yd. Jamison Ave., Spring, Summit, Ohio, South and Buffalo Sts.

O., Cincinnati — June 17, by Comrs. Hamilton Co., grading, curbing, guttering and concrete repaving 45,500 sq.yd. Miami Rd. $188,102. E. A. Gast, Court House, engr. Noted May 26.

O., Columbus—June 23, by Bd. Comrs. Franklin Co., grading and waterbound paving 2.531 mi. Norton Rd., Sect. 4, Prairie Twp., $59,032; also grading and bituminous macadam paving 2.656 mi. Agler Rd. Sect. 1, Mifflin Co., $81,281. Noted May 26.

O., Garfield Heights (br. Cleveland) — June 22, by Village, paving, etc., 5 streets. To exceed $50,000. R. Munz, Town Hall, engr.

O., Jackson—July 2, by R. W. Jenkins, clk., and comrs. Jackson Co., grading and vitr. brick or rein.-con. paving, etc. 0.586 mi. Bennett Ave., Vaughin and Huron Sts. $32,870.

Michigan—June 23, by C. H. Brown, resident engr., 14380 Wyoming Ave., Detroit, concrete paving 7.17 mi. A. D. 462, Sect. B, Co. No. 63 and 50, Oakland and Macomb Counties, for State Hy. Dept., Lansing.

Michigan—June 23, by R. R. Havens, resident engr., Jackson, concrete paving 1.088 mi. T. L. 78-9, M-23-14, Contr. 1, Eaton Co., 20 ft., for State Hy. Dept., Lansing. Noted June 9.

Michigan—June 24, by W. W. Lavers, resident engr., Plymouth, concrete paving 1.405 mi. T. L. 34-8 M 046-7, Contr. 1, Lenawee Co., for State Hy. Dept., Lansing.

Michigan—June 24, by State Hy. Dept., Lansing, paving 1.21 mi. Trunk Line 39-13, Project M 033-14, Contr. 4, in East Lansing. R. R. Havens, Jackson, engr.

Wisconsin—June 21, by State Hy. Comn., Eau Claire, grading and concrete paving, etc. 45,362 sq.yd. Cadott-Stanley Rd., Chippewa Co., Div. Job 6941; and crushed limestone surfacing, etc. 3,564 cu.yd. Durand-Ellsworth Rd., Federal Aid Project 401-C., Pierce Co. W. F. Baumgartner, div. engr.

Wisconsin—June 22, by State Hy. Comn., Div. Office 9, Herald Bldg., Lancaster, grading, etc., 3.26 mi. Mineral Point-Hollandale Rd., State Trunk Highway 39, State Project 9201, Iowa Co.; and improving 2.5 mi. Mt. Ida-Bridgeport Rd., U. S. Highway 18, Job 9163, 35,417 cu.yd. excav., 3,687 cu.yd. crushed rock and 2,189 cu.yd. sand surfacing, etc., Option A, entire project; Option B, grading, only; and Option C, surfacing only; also constructing Wilcox Bridge, on Nelsan Dewey Park Rd., State Project 9187, McAdams Bridge, on Platteville-Dubuque Rd., U. S. Highway 118, and Weigle Bridge on Platteville-Cuba City Rd., State Trunk Highway 80, all Grant Co. H. J. Kuelling, Madison, state highway engr.

Wis., Fond du Lac—See "Contracts Awarded."

Wis., Madison—June 18, by J. R. Caldwell, highway comr. Dane Co., graveling, etc., 4,718 cu.yd. County Job D-196-28, town of Springfield, 5,843 cu.yd. County Job D-213-34, town of Windsor, 3,900 cu.yd. County Job D-229-23, and 1,233 cu.yd. County Job D-230-23, town of Pleasant Springs; also Class "A" concrete culverts on County Job 238-02, town of Berry, Jobs 195-33 and 253-33, town of Westport. F. W. Sawtelle, co. engr.

Wis., West Bend — See "Contracts Awarded."

Ia., Clinton—June 22, at office Auditor Clinton Co., improving, etc., 4.6 mi. Goose Lake-Preston Rd., 68,523 cu.yd. earth, 680 cu.yd. loose rock and 1,365 cu.yd. solid rock excav., 2,600 cu.yd. channel change, etc.; also clearing, grubbing and grading 80,000 cu.yd. Wheatland-Big Rock Rd.

Ia., Knoxville—June 21, at office Auditor Marion Co., graveling, etc., 14.3 mi. Primary Project 531.

Minnesota—June 28, by State Hy. Comn., St. Paul, **(F. A. P. means Federal Aid Project and S. P. State Project)**, grading approximately 174,000 cu.yd. S. P. 4-43, Sect. 1, F. A. P. 406, 130,000 cu.yd. S. P. 11-34, F. A. P. 400, and 185,000 cu.yd. S. P. 14-24, Sect. 4, Divs. B and C, F. A. P. 355; also concrete paving, etc., 14,587 sq.yd. S. P. 8-23, East Grand Forks, and 110,347 sq.yd. S. P. 52-21, F. A. P. 381. State furnishes cement.

Minn., East Grand Forks—June 27 (extended date) by A. G. Rand, city clk., paving, etc. approximately 38,650 sq.yd. various streets. $125,000. S. A. Siverts, Builders Exch., Minneapolis, engrs. Noted June 9.

Kan., Leavenworth—July 7, by Clerk Leavenworth Co., grading, etc. 8.097 mi. Federal Aid Project 376-D, 30 ft. J. E. McCorkle, Leavenworth, co. engr. Noted May 19.

Kan., Leavenworth — July 7, by Clerk Leavenworth Co., grading, etc. 7.972 mi. Federal Aid Project 268-F, 28 ft. Former bids rejected. J. E. McCorkle, Court House, co. engr. Noted Apr. 28.

Kan., Smith Center—July 1, by Clerk Smith Co., grading and bridging F.A.P. 364-B. H. L. Everett, co. engr.; adv. E. N.-R. June 16.

Kan., Wakeeney—July 6, by Clerk Trego Co., sand and gravel surfacing, etc. 12,090 cu.yd. Federal Aid Project 388-A, H. Harlan, Wakeeney, co. engr.

Neb., Madison — June 20, by O. F. Metschke, clk., rein.-con., brick or asphaltic concrete paving, etc. 25,000 yd. various streets. $75,000. Bruce & Grupe, Bankers Reserve Bldg., Omaha, engrs.

Neb., North Platte — June 20, by Clerk Lincoln Co., City Clerk of North Platte, and R. L. Cochran, state highway engr., **(F. A. P. means Federal Aid Project and S. P. State Project)**, sheet asphalt, concrete or bituminous concrete paving, etc., 1,226 yd. F. A. P. 170-A; 21,186 yd. F. A. P. 170-B; 1,644 yd. F. A. P. 233-A; and 7,124 yd. F. A. P. 233-E; 1,523 yd. S. P. 10-B, Dist. 29; 9,610 yd. same road, Dist. 9; 3,493 yd. S. P. 10; and 1,378 yd. S. P. 170-B, Dist. 30.

Neb., Omaha—June 21, by J. P. Hoctor, city clk., paving and curbing, etc. various streets in Dists. 2468, 2654, 2753, 3066, 3116, 3121, 2123, 3132, 4148, 3155, 3168, 3171, 3179, 2577, 2962, 3048, 3099, 3110 and 3140. To exceed $25,000. H. Beal, city engr.

N. D., Fargo—June 24, by A. R. Watkins, city aud., asphaltic concrete, warrenite bitulithic, concrete or vitr. brick on concrete paving approximately 20 blocks streets in Paving Dist. 188-27. R. T. Jacobson, city engr.

Missouri—June 24, by State Hy. Comn., Jefferson City, grading and paving roads in 12 counties. T. H. Cutler, ch. engr.

Mo., Warrenton—June 27, by City, 19,245 sq.yd. amiesite repaving, etc. various streets. H. D. Smelser, St. Charles, engr.; adv. E. N.-R. June 17.

Tex., Hillsboro—Comrs. Hill Co. taking bids and open same about June 15, bituminous paving 4.85 mi. Highway 2-E, Federal Aid Project 413-B, Unit 2, $35,000; 3.916 mi. Highway 6, Federal Aid Project 113-2B, $27,000; and 5.65 mi. Highway 2-A, Federal Aid Project 413-A, Unit 2, $30,000. Address O. Culberson, Hillsboro, co. judge.

Nevada—June 22, by State Hy. Comn., Carson City, graveling, etc. 21,800 cu.yd. Stonehouse-Pony Springs Highway, Route 7, Sect. D-3, Lincoln Co. S. C. Durkee, state highway engr.

Constr. News page 337

Streets and Roads (Continued)

Calif., San Diego—June 27, by Common Council, grading, curbing, walks and 5 in. concrete paving 629,057 sq.ft. Texas St., etc. F. M. Lockwood, city engr. Noted Apr. 28.

Calif., South San Francisco—D. McSweeney, city clk., taking bids grading, curbing, guttering and concrete paving, etc. Elm and Tamarach Aves., etc. To exceed $25,000. G. A. Kneese, Courthouse, Redwood City, engr.

Quebec — June 21, by J. L. Boulanger, deputy minister Highway Dept., Quebec, graveling 11,300 ft. Grand Range Rd. in Assmuption Co. $28,000. A. Fraser, Quebec, engr.

Quebec—June 21, by J. L. Boulanger, deputy minister Highway Dept., Quebec, graveling 24,992 ft. Drummondville-Ste Hyacinthe Rd. $72,000, and 11,200 ft. road, 18 ft. at Grande Range; also bituminous concrete on waterbound macadam resurfacing 17,000 ft. Petit Cote Rd., 18 ft. at Laprairie.

Que., Montreal—June 20, by Chairman City Executive Com., City Hall, paving and sidewalks on various streets. $250,000. H. A. Terreault, city engr. Noted June 9.

Que., Montreal—June 22, by City Executive Com., paving 9 streets; also sidewalks on St. Laurent Blvd., Snowdon and Estbury Aves. and 20 streets. J. E. Gauthier, city clk.

Ont., Guelph—June 17, by G. M. Fox, treas. Wellington Co., County Bldg., concrete paving 4,000 sq.yd. Clifford Rd. and tar bound macadam on 4 in. black base paving 2½ mi. Elora-Fergus Rd. $45,000. Wyne-Roberts, Son & McLean, Metropolitan Bldg., Toronto, engrs.

B. C., Prince Rupert—June 20, by Minister Pub. Wks., Victoria, clearing, grading and gravel surfacing 4.6 mi. Prince Rupert Highway. $150,000. P. Philip, Dept. Pub. Wks., Victoria, engr. Noted Dec. 23.

B. C., North Vancouver — June 20, by Council, 132,000 sq.ft. sidewalks on various streets. $36,000. G. S. Hanes, City Hall, engr.

Bids Received

New York—A. W. Brandt, comr. Highways, Albany, **(e. e. means engineers estimate)**, June 10, reconstructing 0.28 mi. Repair Contr. 1619, Highway 427, Watertown Carthage Rd., 428 Parts 2 and 3, Jefferson Co., from M. T. Gunsten, Eden, $86,771 e. e. $103,311; 16.07 mi. Highways 1699-A, 1699-B, 5701-A Conduit Blvd., Parts 3, 4 and 5, Nassau Co., from Johnson, Drake & Pipe, 834 1st Natl. Soo Line Bldg., Minneapolis, Minn., $1,398,757 e. e. $1,814,635; 3.99 mi. Repair Contr. 1611, Highway 45, Middletown-Pine Bush Rd. 114, Parts 1 and 2, Orange Co., from Hull & Saltsman, Highland Mills, $174,467 e. e. $231,650; 3.47 mi. Repair Contr. 3169, Highway 140, Seneca Turnpike 271, Utica-Oneida Castle Rd. Part 2, Oneida Co., and 1.02 mi. Repair Contr. 1616, Highway 5388, Suffern Village Hillburn Village Rd., Rockland Co., from Hogeboom & Campfield, Kingston, $217,304 and $89,479 respectively, e. e. **$303,858 and** $104,960 respectively; 0.13 mi. Repair Contr. 1617, Highway 714, Dansville-Mt. Morris Rd., Part 1, Livingston Co., from **Curry & Macy**, 8 Exchange St., Rochester, $9,976 e. e. $12,599; 9.5 mi. Repair Contr. 3172, Highway 5253, Jasper-Addison Rd., Steuben Co., from Valorio Constr. Co., Railroad St., New Milford, Conn., $471,937 e. e. $630,319; 5.12 mi. Repair Contr. 3171, Highway 544, Johnstown-Broadalbin Rd., Part 1, Fulton Co., from J. Thompson, Carthage, $200,813 e. e. $260,025; 4.37 mi. Repair Contr. 1614, Highway 721, White Creek-County Line, 97, Shunpike, Washington Co., from Collins Bros., Stillwater St., Mechanicville, $222,627 e. e. $275,213; 3.15 mi. Repair Contr. 3170, Highway 592, Auburn-Elbridge Rd., Cayuga Co., from C. S. Wing, Tully, $176,421 e. e. $224,564; 5.25 mi. Repair Contr. 1582, Highway 1010, Livonia Village 717, Livonia-Ontario Co. Line Rd., Livingston Co., from W. L. Collins, Hornell, $205,519 e. e. $265,728; 3.12 mi. Repair Contr. 1605, Highway 881, Blodgett Mills-Corltland, 378 McGrawville Rd., Cortland Co, from Miller, Hayes & Gillette Constr Corp., Watertown, $127,646 e. e. $159,700; 0.19 mi. Repair Contr. 1612, Moravia Niles Highway 591, Repair Contr. 1613, Groton Locke-Moravia Highway 1016, Cayuga Co., from F. P. Arnold, Syracuse, $26,569 e. e. $31,689; 3.22 mi. Repair Contr. 1610, Highway 5587, Syracuse-Fayetteville Rd., Onondaga Co., from Provo Bros., 604 North Salina St., Syracuse, $209,610 e. e. $257,260; 4 mi. Repair Contr. 1606, Highway 5143, Elbridge-Camillus Rd., Part 2, Onondaga Co., from McKibben-Rockwell Corp., Hornell, $228,756 e. e. $302,228; 2.42 mi. Repair Contr. 1615, Highway 198, Delaware Turnpike, Part 4, 366 New Scotland-Wolf Hill Rd. 466, Wolf Hill-Berne Rd., Albay Co., from T. S. O'Brien, Albany, $119,984 e. e. $151,194; 0.17 mi. Repair Contr. 1618, Highway 5314, Scotia-High Mills Rd., Schenectady Co., from Kingsbury Constr. Co., Hudson Falls, $39,213 e. e. $53,031, 0.56 mi. Highway 1763, Canajoharie Village-Moyer St. Rd., and reconstructing 70 ft. plate girder bridge on Repair Contr. 1620, Highway 107, Fultonville-Glen Rd., Montgomery Co., from E. L. Smith, 1025 Washington St., Watertown, $38,710 and $16,231 respectively, e. e. $47,517 and $18,913 respectively. Noted May 28.

Constr. News page 388

Contracts Awarded

Vermont—State Hy. Dept., Montpelier, rein.-con. paving 1.2 mi. highway in Essex Junction, to Donald Snyder, Inc., Gardner, Mass. $45,954, and 1.2 mi. in Berlin, to Central Constr. Co., Lawrence, Mass. $39,188; bituminous macadam paving 4.3 mi. in St. Albans and Swanton, also gravel surfacing, incl. 2 bridges in Royalston, Bethel and Randolf, to Atwood Thomas Constr. Co., Middleboro, Mass. $101,208 and $145,947 respectively. Grand total $332,297.

Mass., Boston — Sheet asphalt paving various streets in Wards 10, 11, 17 and 19, to M. F. Gaddis, 6 Beacon St., $41,045. Noted May 19.

N. Y., Fulton — Common Council, M. C. Baker, city clk., grading, curbing, guttering, sidewalks and asphalt on concrete paving various streets, to Lane Constr. Co., 37 Colony St., Meriden, Conn., $48,000. Noted May 19.

N. Y., New York — H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., bituminous concrete paving West Tremont Ave., to Leonard Paving Co., 233 Bway., $53,157; and West 174th St., etc., to Gaffney Constr Co., Storey and Hermane Aves., $13,511; sheet asphalt paving Morris Ave., etc., to Brusstar Constr. Co., Harlem River and 150th St., $25,965. Grand total $92,633. Noted May 28.

N. J., Elizabeth — Union Co., widening and concrete paving Newark Ave., to J. B. Gilligan-Casey Co., 972 Broad St., Newark, $181,905. Noted Apr. 28.

N. J., New Brunswick—Bd. Freeholders Middlesex Co., paving Prospect and Thomas Sts., to South River, to Utility Constr. Co., 5 Spring St., $85,380; and Woodbridge Ave., Raritan Twp., to Graham & McKeon, 264 Smith St., Perth Amboy, $29,910.

Pennsylvania—State Hy. Comn., Harrisburg **(R. means Route and A. Application)**, rein.-con. paving, etc. 83,312 sq.yd. R. 168, Sect. 2, Monroe, Wayne and Lackawanna Counties, to Johnson, Drake & Piper, Inc., 834 1st Natl. Soo-Line Bldg., Minneapolis, Minn., $340,105; 43,018 sq.yd. R. 142, Sect. 5, Chester Co., to Union Paving Co., 123 South 21st St., Phila., $156,187; and 90,659 sq.yd. R. 275, Perry Co., to Swanger & White, Lebanon, $296,447. Grand total $792,739. Noted May 12.

Pennsylvania—State Hy. Comn., Harrisburg **(R. means Route and A. Application)**, rein.-con. paving, etc. 3,928 sq.yd. R. 94, Sect. 2, Warren Co., to J. C. Devine Co., Alliance, O., $44,702; 8,397 sq.yd. A. 2827, Huntingdon Co., to Standard Constr. Co., Altoona, $36,570; and 24,875 sq.yd. R. 357, A. 3701, Jefferson Co., to J. B. Trexler, Lewistown, $118,452. Grand total $199,724. Noted Apr. 7.

Maryland — State Roads Comn., Baltimore, concrete paving 1.75 mi. Contr. G-35, to T. D. Claiborne, Garrett Bldg., Baltimore, $49,090, and 2.98 mi. Contr. G-31, to Tri State Eng. Co., Cumberland $70,625, both Garrett Co.; also concrete shoulders on Contr. W-I-A, Washington Co., to H. W. Kaylor, Hagerstown, $39,282. Grand total $158,997. Noted May 5.

W. Va., Moundsville — Brick on 5 in. concrete with tarvia filling paving portions Morton, Fostoria and Oak Aves., to Stringer & Springer, Wheeling Bank & Trades Bldg., Wheeling, $32,346. Noted May 19.

Fla., Inverness—Citrus Co., paving 11.8 mi. highway, to L. B. McLeod Constr. Co., 416 Tampa St., Tampa, $77,314. Noted May 5.

Kentucky—State Hy. Dept., Frankfort **(F.A.P. means Federal Aid Project, and S.A.P. State Aid Project)**, grading, etc. portion Florence-Warsaw Rd., S.A.P. 13-A, Boone Co., to Mills & Connolly, Independence $48,489, portion Munfordsville-Elizabethtown Rd., F.A.P. 169-A and B, Hart Co., to Jenkins Constr. Co., Elizabethtown $54,299, and portion Edmonton-Greensburg Rd., S.A.P. 1-B, Metcalf Co. using first class pipe, to J. Oan, Jr., Chamber Commerce Bldg., Nashville, Tenn. $41,638; portions Mayfield-Benton Rd., S.A.P. 1-B, Graves Co., and bank gravel surfacing portion Fulton-Clinton Rd., F.A.P. 131-F, Fulton Co., to N. E. Stone & Co., Madisonville $97,432 and $29,255 respectively, [illegible] gravel surfacing portion Liberty-[illegible] Springs Rd., S.A.P. 25-C, Casey [illegible] Cundiff & Carigan, Liberty $35,04[illegible] gravel surfacing portion Owensboro-[illegible] ville Rd., S.A.P. 12-B, Daviess Co., [illegible] land & Sheridan, Lewisport, $11,181 [illegible] gravel surfacing portion Nortonville-[illegible] ville Rd., F.A.P. 164-A and B, Hopkins and Muhlenberg Counties, to Corum Bros., Madisonville $104,931; traffic bound [illegible] dam surfacing portion Vine Grove-Radcliffe Rd., S.A.P. 8-B, Hardin Co., to Perkins, Darnell & Williams, Hodgenville, $11,567; rein.-con. standard material surfacing portion Prestonberg - Paintsville - Salyersville Rd., S.A.P. 6-C and D, and 4-B, Johnson Co., to Hatfield Constr. Co., Huntington, W. Va., $126,196; grading, concrete surfacing, etc. portion Richmond-Winchester Rd. F.A.P. 167-A, Madison Co., to Ashland Supply Co., Ashland, $76,272. Grand total $636,009. Noted Apr. 28.

Ky., Paducah—Bd. Local Impvts., grading, curbing and sheet asphalt paving 33,995 sq.yd. various streets, to Southern Roads Co., 104 North 17th St., Birmingham, Ala., $79,342. Engrs. est. $60,000. Noted Apr. 14.

Ky., Paducah—Sidewalks, concrete guttering, concrete and asphalt surfacing 9 mi various streets, driveways, etc., to G. W. Katterjohn & Son, Paducah, $86,204. Engrs. est. $90,000. Noted June 2.

O., Akron—W. F. Peters, dir. Pub. Serv. **(e.e. means engrs. est.)**, to T. E. McShaffrey Constr. Co., 173 South Forge St., grading, curbing, and texaco paving, etc. 1090 ft. Delmar Ave., 24 ft. roadway $18,607 e.e. $23,600, 1,400 ft. North Summit St. 42ft. roadway $51,911 e.e. $61,500, 1,200 ft. Rose Blvd. 30 ft. roadway $18,980 e.e. $25,000, also grading, walks and 3 in. brick paving, etc. 1,765 ft. Westwood Alley et al 16½ ft. roadway $20,362 e.e. $23,000; to Hollinger & Davidson, 435 South Bway., grading, curbing, and 3 in. brick paving, etc. 1,200 sq.yd. McNaughton St. $7,885 e.e. $9,100.

O., Akron — Summit Co., grading and traffic bound slag paving, etc., Reimer Rd., to Youmans Bros., R. F. D., Kent, $25,016. Engrs. est. $26,800. Noted May 12.

O., Barberton—Bd. Control, sheet asphalt paving, etc. ¾ mi. Norton Ave., to Columbus Asphalt Paving Co., 288 East 16th Ave., Columbus, $55,529. Engrs. est. $50,000.

O., Canton—Concrete paving, etc., 2nd St., etc., to E. Vogt Constr. Co., Massillon, $40,000.

O., Cleveland—To Cleveland Trinidad Paving Co., The Arcade, brick paving, etc. East 109th St. $38,331, to E. Gedney, 14251 Superior Ave., Bannon and Ceylon Courts $5,001, to Roehl Bros., 7002 Denison Ave., Pacific Ave. $5,270, Worthington Ave. $6,104, West 65th St. $11,344, West 104th St. $14,801, West 159th St. $12,229, to Freshwater Constr. Co., Davis & Farley Bldg., West 92nd St. $3,378, and West 155th St. $9,249, to Enterprise Paving & Constr. Co., 8444 Bway., West 55th St. $5,515; to Baldwin Bros., 4500 Euclid Ave., asphalt paving, etc. Woburn Ave. $17,244, and West 49th St. $13,052. Grand total $141,518.

O., Toledo—W. B. Guitteau, dir. Pub. Serv., paving, etc., 23,000 sq.yd. Detroit Ave., to M. Rabbitt & Sons, 1026 Water St., $144,515. Noted Feb. 24.

Ind., Bedford—To Sherill & Blackwell, c/o City Clerk, constructing 22nd St. $21,214, 14th St. $5,360, and H St. $55,923. Grand total $82,497.

Michigan—H. C. Fleming, resident engr., Grand Rapids, concrete paving 0.7 mi. F. A. 155-A, Ottawa Co., to G. P. Scharl, Crathmore Hotel, Grand Rapids, for State Hy. Dept., Lansing. $39,439. Noted May 5.

Michigan—W. W. Lavers, resident engr., Plymouth, concrete paving 5.172 mi. F.A. 212, Sect. B, Macomb Co., to T. E. Currie, 909 Transportation Bldg., Detroit, for State Hy. Dept., Lansing. $175,280. Noted Apr. 14.

Mich., Dearborn—Concrete curbing, and one course 8 in. concrete paving approximately 26,000 sq.yd. Brady, Monroe and various streets, to Otis Cement Constr. Co., 419 Hammond Bldg., Detroit, $65,267. Noted May 19.

Mich., Fordson—Constructing Miller and Schaefer Rds., Lonyo, Yinger, Normile, and Freda Aves., to White Constr. Co., Fordson, $168,513.

Mich., Fordson—Concrete curbing, and one course 8 in. concrete paving Miller, Schaefer and Lonyo Rds., Yinger, Normile and Freda Aves., to White Constr. Co., 1548 Buhl Bldg., Detroit, $168,512. Noted June 9.

Mich., Pontiac—Concrete paving 0.25 mi T. L. 10-63-A, 40 ft., Oakland Co., to City, $31,426.

Mich., Saginaw West Side—Saginaw Co., concrete paving 2 mi. A. D. 111, and graveling 2 mi. A. D. 69, to T. McNally, Saginaw.

Streets and Roads (Continued)

$41,646 and $27,398 respectively; concrete paving 6 mi. A. D. 116, to C. Milne, Saginaw, $149,910, 2.25 mi. A. D. 113, to J. W. Ederer Co., Saginaw, $52,921, all foregoing 18 ft.; penetration macadam paving 2 mi. A. D. 92, 16 ft., to Bennett & Crane, Saginaw, $41,646. Grand total $313,521. Noted Apr. 28.

Illinois—State Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, concrete paving Route 6, J-R Cook and DuPage Counties, to J. J. Dunnegan Constr. Co., Shenandoah, Ia. $176,265, Route 59, Sect. 105-W, Lake Co., to Darrow & Barron, Waukegan $7,854, Route 121, Sect. 140 Macon-Piatt and Moultrie Counties, to Berns & Co., Indianapolis, Ind. $96,679, and Route 151, Sect. 110, Randolph Co., to W. Lough & Sons, Marion $15,682; grading Route 81, Sect. 123-A, Mercer Co., to L. Gary, St. Louis, Mo. $84,949, Route 154, Sect. 108-A, Perry Co., to Harrelson & Johnson, Pinckneyville $17,313, and Route 151, Sect. 110-A, Randolph Co., to W. L. Dunston, Marion $28,351. Grand total $427,093. Noted Mar. 3 and 31.

Wis., Appleton—Outagamie Co., A. G. Brusewitz, comr., concrete paving, etc. 34,583 sq.yd. Greenville-Stephensville Rd., Job 3144, to Garvey-Weyenberg Constr. Co., Appleton. $92,641. Noted Apr. 28.

Wis., Beloit—Grading curbing and 7 and 8 in. concrete paving 24,000 yd. 4th St., to J. L. Frame, Blue Mounds, $55,410. Noted May 12.

Wis., Elkhorn—Walworth Co., H. J. Peters, comr., to F. C. Wiswell, Elkhorn, graveling 6,700 cu.yd. Sharon-Walworth Rd., $12,730, and 1,300 cu.yd. County Trunk Highway E $1,025, to Berg & Thorpe, Cambridge, 6,000 cu.yd. Delevan-Janesville Rd. $6,480, 1,300 cu.yd. County Trunk Highway C $1,482, and 4,000 cu.yd. County Trunk Highway U $4,400, to Randolff Fall, Deerfield, 4,000 cu.yd. County Trunk Highway F $3,880, and 10,000 cu.yd. County Trunk Highway J $9,400; also to W. P. Wolff, Waukesha, constructing Dudley Bridge $5,849. Grand total $38,766.

Wis., Fond du Lac—Fond du Lac Co., G. Treleven, comr., will grade Trunk Highway 67, town of Osceola, $1,000; gravel 11 mi. Trunk Highway 26, $16,500; repair approaches to bridge, here, $4,000; also reconstruct bridge on Trunk Highway 67, Ashford $10,000 and bridge on Trunk Highway 26 $2,500, by day labor. Grand total $34,000.

Wis., Jefferson—Comrs. Jefferson Co., H. J. Grell, highway comr., grading, graveling, etc., 7,399 cu.yd. Concord-Ixonia Rd., Job 1035 and 5,046 cu.yd. Watertown-Hebron Rd., Project 1036, to Young, Rudolf & Son, Horicon, $15,952 and $16,360 respectively, also 6,305 cu.yd. same road, Project 1037, to P. W. Ryan & Sons, Janesville, $17,311. Grand total $49,623. Noted May 19.

Wis., Lancaster—Grant Co., H. Mink, comr., crushed stone surfacing 6,375 cu.yd. streets in Patch Grove and Bloomington, to Earl Sturmer, Beetown, $12,750; 4,200 cu.yd. streets in Mt. Hope and Little Grant, to Dempsey Bros., Fennimore, $8,400; 4,400 cu.yd. in Wyalising, and 4,800 cu.yd. in Potosi and South Lancaster, to Iowa County Constr. Co., Mifflin, $9,064 and $9,936 respectively. Grand total $40,150.

Wis., Stevens Point—State Hy. Comn., Court House, grading, concrete paving, etc., 52,127 sq.yd. Project 423-C, Sect. B, Portage Co., to F. Grahl Constr. Co., Medford, $132,593. Noted May 19.

Wis., West Bend—Washington Co., C. Johnson, comr., will gravel 3.5 mi. Trunk Highway 60 $8,750, and 10 mi. Trunk Highway 83 $15,700 also replace Dorath Bridge and approaches, Trunk Highway 84, $8,600 by day labor. Grand total $33,050.

Ia., Cedar Rapids—Linn Co., improving 7.74 mi. Federal Aid Project 255, incl. 9,570 cu.yd. gravel, to Snater Constr. Co., Ackley, at $2.75 per cu.yd.

Ia., Iowa City—Johnson Co., 6 in. concrete paving 12,962 sq.yd. Primary Road 207-F, to Wright Constr. Co., 211 Flynn Blk., Des Moines, at $2.28 per yd. Noted May 12.

Minn., St. Cloud — Grading and warrenite bitulithic paving 35,061 yd. various streets, to C. R. McCann, Eveleth, $108,848.

Kan., Clay Center—Clay Co., grading, etc., 7.943 mi. Federal Aid Project 385-A, to Yancey Constr. Co., Abilene, $52,014. Noted May 5.

Kan., Dodge City—Brick and concrete paving 10½ blocks alley, 8th Ave., Avenue A, Division, Ash, Oak, Vine and Walnut Sts., to Geiger & Rutherford Constr. Co., Leavenworth, Kan. Noted June 2.

Kan., Fredonia—Clerk Wilson Co., grading, chats surfacing, etc. 6.882 mi. Federal Aid Project 373-A, to M. E. Gillioz, Monett, Mo., $68,105; also two 20 ft. slab span bridge on same road, 24 ft., to Hibbens Constr. Co., Independence, Kan., $3,511. Noted Apr. 21.

Kan., Greensburg—Kiowa Co., grading 9.376 mi. Federal Aid Project 305-C, to Shuss & Henderson, Larned. $31,467. Noted May 5.

Kan., Kansas City—Wyandotte Co., grading, etc., R. J. Corum Rd., to Ziegler Bros., Junction City, $21,174. Engrs. est. $32,000.

Kan., Kansas City—Wyandotte Co., grubbing, grading, concrete paving etc. 62,334 sq.yd. Samuel Clark Rd., to H. C. Botsford, Lawrence, $222,069. Engrs. est. $279,375. Noted May 5.

Kan., Westmoreland—Pottawatomie Co., grading, etc. 4.325 mi. Federal Aid Project 355-C, to Wyland-Lattin-Yard, Osborne, $24,936; 3 bridges on above road, to Western Bridge Co., Harrisonville, Mo., $25,207. Noted May 26.

Neb., Seward—Grading and 6 in. concrete paving, etc., 12 blocks various streets, to Roberts Constr. Co., 404 1st Natl. Bank Bldg., Lincoln, $33,000.

Wyo., Laramie—Grading, asphaltic concrete paving, etc., 37,800 sq.yd. various streets, to A. N. Reed & Co., Cheyenne, $83,160.

Mo., Columbia — Grading and amiesite paving, etc. 10,000 sq.yd. Stewart Rd., etc., to C. A. Stewart, Columbia, $25,393; and concrete paving alley between 5th and 6th Sts., Cherry St. and Bway., to W. F. McDyer, Jefferson City, $1,350.

Mo., Festus—Grading and concrete paving 2,100 ft. Main St., 28 ft., to Hannibal Contg. Co., Hannibal, $25,894.

Mo., Jackson—F. Gockel, city clk., asphaltic concrete on 3 in. block paving 12,328 sq.yd. Main, High, Court Barton and 1st Sts., to Kaw Paving Co., New England Bldg., Topeka, Kan., $37,852.

Mo., Plattsburg—T. F. Downey, city clk., 7 in. concrete paving, etc. 8,298 sq.yd. Clay Ave., to A. A. Davis & Co., Ry. Exch. Bldg., Kansas City, $29,162. Noted May 5.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, (**C. B. means City Block**), to C. A. Moreno, Syndicate Trust Bldg., asphaltic concrete paving 2,260 sq.yd. Goethe St., $10,999; to Central Paving & Constr. Co., 6161 Maple Ave., concrete paving 825 sq.yd. in alley in C. B. 985, $2,359, 870 sq.yd. C. B. 1287, $2,192, 1,245 sq.yd. C. B. 2847, $2,743, 500 sq.yd. C. B. 2857, $1,063, 945 sq.yd. C. B. 3033, $2,110, 1,115 sq.yd. C. B. 3392, $2,338, 1,225 sq.yd. C. B. 4154, $3,634, 1,800 sq.yd. C. B. 5090, $4,153, 1,335 sq.yd. C. B. 5122, $3,273, 1,040 sq.yd. C. B. 5252, $2,176, 1,090 sq.yd. C. B. 5273, $2,342, 1,325 sq.yd. C. B. 5320, $2,916, 455 sq.yd. C. B. 5354, $1,290, 1,185 sq.yd. C. B. 5480, $2,765, 1,950 sq.yd. C. B. 5747, $4,273, and 970 sq.yd. C. B. 5936, $2,256; to Alfred Lewald, Inc., 6025 West Cabanne Ave., 2,865 sq.yd. C. B. 4571, $7,335; to Trinidad Asphalt Mfg. Co., Title Guaranty Bldg., asphaltic concrete paving 1,710 sq.yd. Shirley Pl., $12,793, and 1,475 sq.yd. Richard Pl., $11,236; and to Granite Bituminous Paving Co., Ry. Exch. Bldg., warrenite bitulithic paving 2,700 sq.yd. Woodland Ave., $21,768. Grand total $106,014. This corrects report in June 2 issue.

Ark., Bentonville—Comrs. Paving Impvt. Dist. 3, grading, curbing, guttering, sewers and paving 11,164 sq.yd. Paving Dist. 3, to E. H. Locher Constr. Co., Okmulgee, Okla., $30,865. Engrs. est. $30,000. Noted May 12.

Tex., Baird — Callahan Co., bituminous macadam paving 5.469 mi. Highway 1, Federal Aid Project 52-D, Unit 2, 18 ft., to McClung Constr. Co., F. & M. Bank Bldg., Ft. Worth, $80,175. Engrs. est. $95,000.

Tex., Houston — Harris Co., rein.-con. paving, etc. 6.53 mi. Highway 3, Federal Air Project 466-A and D, Unit 2, 18 ft., to Hanson-Pearce Constr. Co., 327 San Jacinto Annex, Beaumont, $125,321. Engrs. est. $142,000.

Tex., Houston—H. L. Washburn, aud. Harris Co., macadam paving 20 mi. West Montgomery Rd., to Smith, Starkey & James, Stewart Bldg., $249,092. Engrs. est. $314,000.

Tex., Huntsville—Walker Co., rein.-con. paving, etc. 15.359 mi. State Highway 19, 18 ft., to Gibson & Mitchell, Pauls Valley, Okla., $355,131. Engrs. est. $460,900. Noted May 12.

Tex., Panhandle—Curbing, guttering and 2½ in. brick paving 44,390 sq.yd. various streets, to El Paso Bitulithic Paving Co., Amarillo, $182,984.

Tex., Vernon—Wilbarger Co., Bates type section rein.-con. paving 6.97 mi. Highway 5, 18 ft., to J. P. Foty, Wichita Falls, $196,774. Engrs. est. $195,000. Noted May 12.

Okla., Cushing — Grading, curbing and concrete paving 16 blocks Linwood Blvd. and Cleveland Ave., to T. Collins, Cushing, $48,200.

Okla., Medford—Grading, curbing, and concrete paving 24,500 sq.yd. Main and Cherokee Sts., to Ward, Beekman & Brooks, 1801 East 9th St., Oklahoma City, $65,461. Engrs. est. $73,227. Noted May 12.

Okla., Seminole—Grading and vertical fibre brick paving 4,300 sq.yd. and concrete paving 8,600 sq.yd. Dist. 6, to Ward-Beekman-Brooks, 1801 East 9th St., Oklahoma City, $62,462. Engrs. est. $65,270. Noted May 12.

Wash., Seattle—Comrs. King Co., paving 2.6 mi. Benson Rd., to Erickson Paving Co., 1550 North 34th St., Seattle, $63,000. Engrs. est. $75,000.

Wash., Seattle—Bd. Pub. Wks., grading and 8 in. concrete paving, etc., 14,560 sq.yd. Fauntleroy Ave. et al., to F. McLellan, Dexter Horton Bldg., sand cast pipe $46,039.

California—State Hy. Comn., Sacramento (**e.e. means engrs. estimate**), grading, crushed gravel or stone surfacing., etc. roadway between Sta. 398-00 and 756-63.07, Humboldt Co., to Engelhart Paving & Constr. Co., Eureka, $241,738 e.e. Proposal "A" $214,047, Proposal "B" $256,057 and Proposal "C" $462,855; concrete paving, etc. approximately 1.5 mi. roadway between Naples and Anaheim Bay Bridge, Los Angeles and Orange Counties, to Matich Bros., Elsinore, $50,015 e. e. $55,943; grading and placing corrugated metal culverts on 0.86 mi. highway between Lake Almanor Causeway and Chester grade, Plumas Co., to C. B. Clendenning, Los Molinos, $10,259 e.e. $10,032. Grand total $302,012. Noted May 5.

Calif., Bakersfield—V. Van Riper, city clk., grading and asphaltic concrete paving, etc. California Ave., etc., to Union Paving Co., Call Bldg., San Francisco, $67,655. Noted May 26.

Calif., Culver City—N. B. Haus, city clk., grading and vibrolithic concrete paving, etc. Centinela Ave., etc., to Braun, Bryant & Austin, 6244 Washington Blvd., $93,862. Noted June 2.

Calif., El Cerrito—A. Morris, city clk., grading and 2 in. Warrenite on asphaltic concrete paving San Pablo Ave., to Hutchinson Co., 1706 Bway., Oakland, city portion $109,034 and, state portion $34,885.

Calif., Hawthorne—S. V. Fraser, city clk., grading and asphaltic concrete paving, etc. Maine Ave., etc., also grading, curbing, guttering, walks and asphaltic concrete paving, etc. Massachusetts Ave., to G. H. Oswald, 366 East 58th St., Los Angeles, $43,801 and $34,580 respectively. Noted June 2.

Calif., Los Angeles—Grading, concrete and asphaltic concrete paving, etc. Montana Ave., to G. H. Oswald, 366 East 58th St., $473,099.

Calif., Los Angeles—Los Angeles Co., grading and concrete paving, etc. Vermont Ave. Impvt. 495, to W. Warne, Transportation Bldg., $152,247; also grading, curbing, guttering and vibrolithic concrete paving, etc. Rio Honda Ave., to Campbell-Pickett & Langworthy, 1847 North Main St., $38,197. Noted Apr. 28.

Calif., Oakland—G. Grose, clk. Alameda Co., grading and 2 in. asphaltic concrete on 6 in. concrete paving etc. Decoto-Irvington-Mission San Jose Rd., to Hanrahan Co., Standard Oil Bldg., San Francisco, $196,983. Noted May 5.

Calif., Pasadena — Curbing, guttering, walks and concrete paving, etc. Bway. between Holly and Green Sts., also grading and removing trees, etc. on Fair Oaks Ave., to Ducey & Breitenstein, 687 South Bway., $25,989 and $55,465 respectively.

Calif., Roseville—Grading and asphaltic concrete paving, etc. various streets, to Pacific States Constr. Co., Call Bldg., San Francisco, $50,988. Noted May 19.

Calif., San Carlos—Grading, waterbound macadam paving, etc. Elm and Walnut Sts., etc., to Hanrahan Co., Standard Oil Bldg., San Francisco, $100,911.

Calif., San Jose—Santa Clara Co., improving Bodfish Rd., to T. E. Connolly, Sheldon Bldg., San Francisco, $76,022.

Calif., Santa Rosa — Sonoma Co., asphaltic concrete paving, etc. Santa Rosa-Sebastopol Highway, to Teichert & Sons, 1847 37th St., Sacramento, $29,280. Noted May 19.

Calif., Stockton — Curbing, walks and willite on asphalt paving, etc. Washington St., to J. E. Johnston, East St. and Weber Ave., $27,695.

Ont., Sandwich—Concrete paving Peter St., to S. P. West, 11 Sandwich St. E., $57,000.

B. C., Point Grey — Provincial Govt., Victoria, grading roadways, installing sanitary and storm water sewers, and water distribution system on No. 2 unit University Lands, to General Constr. Co., 736 Granville St., Vancouver, $85,000.

Constr. News page 389

Buildings—Commercial

Proposed Work

Mass., Boston—CLUB HOUSE—Ritz-Statler Club, c/o J. F. Cullen, archt., 366-A Commonwealth Ave., having sketches made 7 story and basement, 50 x 100 ft., brick, Commonwealth Ave. $160,000.

Conn., Norwalk—HOSPITAL—Norwalk Hospital, C. B. Strayer, supt., having preliminary plans prepared by W. B. Tubby, 475 5th Ave., New York City, rein.-con., brick and steel addition, Stevens St. $500,000 appropriated.

N. Y., Albany — CONVENTION HALL and STADIUM — A. G. Lang, c/o Albany Automobile Supply Co., 145 Central Ave., et al., having tentative plans prepared convention hall and stadium, on 93 x 160 ft. site, 632-642 Central Ave. $4,000,000. Engineer and architects names withheld.

N. Y., Syracuse — HOSPITAL and NURSES HOME — Syracuse Memorial Hospital soon takes bids 3 story, brick, steel and stone, plain foundation, Crouse Ave. $2,500,000. J. R. Pope, 542 5th Ave., New York City, archt. Jaros & Baum, 116 West 39th St., New York City, engrs. Noted Dec. 16.

N. J., Atlantic City — THEATRE and PIER — C. R. Meyers, Hotel Breakers, having sketches made brick and steel, concrete pile foundation, Chelsea Ave. $5,000,000. Private plans.

N. J., Bayonne—FIRE HOUSES—Fire Dept., Municipal Bldg., takes bids about July 1, three 1 story, brick and steel, plain foundations, Boulevard, Zabriskie St. and Avenue B. $150,000. L. Quien, Jr., 229 Broad St., Elizabeth, archt. Noted May 19.

N. J., Bloomfield — APARTMENT — M. Olman, 46 Maolis Ave., having plans prepared by A. G. Brach, Military Park Bldg., Newark, 4 story brick and steel, plain foundation, Broad and Belleville Sts., here. $150,000.

N. J., Bloomfield — CITY HALL — City, Essex Bldg., having plans prepared by W. O. Bartlett, 738 Broad St., Newark, 3 story, brick and steel, plain foundation, Franklin St. $250,000. F. B. Dwyer, 31 Clinton St., Newark, engr.

N. J., East Orange — APARTMENT — Sharff & Koplowitz, 207 Market St., Newark, having plans prepared by L. Kassoff, 164 Market St., Newark, 4 story, 90 x 130 ft., brick and steel, plain foundation, North Arlington Ave. and Hamilton St., here. $150,000.

N. J., Elizabeth—APARTMENT—Grush-Kin & Posnock, c/o Kasoff & Flatt, 164 Market St., Newark, having plans prepared 5 story, brick and steel, plain foundation, 1446 North Ave., here. $150,000.

N. J., Forest Hill (mail Newark)—BANK — Howard Savings Institute, 768 Broad St., Newark, having sketches made by J. H. and W. C. Ely, Fireman's Bldg., Newark, 1 story and basement, 60 x 100 ft., brick and steel, plain foundation, Bloomfield and Clifton Aves., here. $150,000.

N. J., Glassboro—THEATRE, STORE and APARTMENT—W. H. Lee, archt., Schaff Bldg., Phila., Pa., soon lets contract 2 story, balcony, and basement, 50 x 115 x 274 ft., rein.-con., brick and steel, plain foundation, High and South Sts., here, for Penn Jersey Amusement Co., c/o architect. Noted May 5.

N. J., Glen Ridge — APARTMENT — G. Gabrielson & A. Olsen, 364 Main St., East Orange, having sketches made 4, 5 and 6 story, brick and steel, plain foundation, Bloomfield Ave. $700,000. Private plans.

N. J., Jersey City—APARTMENT—N. A. Matter, 1902 Blvd. Junction, having plans prepared by N. Welitoff, 3010 Hudson Blvd., 5 story, brick and steel, plain foundation, 7-11 Tonnelle Ave. $150,000. Noted May 19.

N. J., Newark — APARTMENT and GARAGE — Five Hundred Twenty-Three Mount Prospect Avenue Corp., Prudential Bldg., having sketches made by Simpson & Rolston, 45 Walnut St., 8 story apartment and garage, brick and steel, plain foundation, 523 Mount Prospect Ave. $500,000.

N. J., Newark — APARTMENT and STORE—H. Simon, 40 Temple Pl., Passaic, having sketches made 4 story and basement, brick and steel, plain foundation, Bway. and Bayonne Pl. $150,000. Private plans.

N. J., Newark—BANK and OFFICE—W. E. Lehman, 972 Broad St., takes bids after June 20, 3 story, brick and steel, plain foundation, Broad and Franklin Sts., for United States Trust Co., 946 Broad St. $200,000. Noted May 26.

N. J., Newark—STORE—C. E. Cameron, c/o W. Oppenheim, Inc., lessee, 657 Broad St., having plans prepared by F. M. Kern, 665 Broad St., 4 story, brick and steel, plain foundation, 657-9 Broad St. $150,000. Noted May 17.

Constr. News page 390

N. J., New Brunswick—BANK, OFFICE and STORE—H. G. Bach, 63 Schureman St., and M. H. Boylan, 143 Albany St., archts., take bids about June 20, 2 or 4 story, 50 x 150 ft., brick and steel, plain foundation, Bayard and George Sts., for Citizens Natl. Bank, George St. $100,000-$200,000. Noted May 19.

N. J., New Brunswick—CLUB—Fraternal Order of Eagles N. B. Arie 1329, 78 Carroll Pl., having plans prepared by W. H. Boylan, 143 Albany St., 1 story, brick and steel, plain foundation, Carroll Pl. $150,000. Noted May 28.

N. J., New Brunswick—CLUB—Loyal Order of Moose, 418 George St., having plans prepared by H. G. Bach, 63 Schureman St., 3 story, brick and steel, plain foundation, George St. $150,000. W. H. Boylan, 143 Albany St., associated archt. Noted May 28.

N. J., Orange—APARTMENT—H. Le Van Richards, c/o E. Gerber, archt., 786 Broad St., Newark, having plans prepared 4 story, brick and steel, plain foundation, 466 Highland Ave., here. $150,000.

N. J., Orange—APARTMENT—Oxford Constr. Co., c/o Kasoff & Flatt, archts., 164 Market St., Newark, having plans prepared 5 story, brick and steel, plain foundation, Lincoln and Highland Aves. $300,000.

N. J., Passaic—Y. M. C. A., 209 Madison Ave., plans brick and steel, plain foundation, Passaic Ave. and Prospect St. $350,000 funds being raised. Engineer and architect not selected.

N. J., Rahway — HOSPITAL — Rahway Hospital, 81 Jacques Ave., having plans prepared by Crow, Lewis & Wick, 200 5th Ave., New York City, 3 story and basement, brick and steel, plain foundation, Stone St. $250,000. Noted May 26.

N. J., Roselle (Ind. br. Elizabeth)—APARTMENTS—G. Dobb, 345 Harrison Ave., having plans prepared by C. I. Goldberg, 437 Bway., Bayonne, 4 story, brick and steel, plain foundation, 134-38 3rd Ave. $150,000.

N. J., Union — APARTMENT — J. Weesberg, 402 10th St., West New York, having preliminary plans prepared 5 story, brick and steel, plain foundation, Palisade Ave. and 8th St., here. $150,000. Private plans.

N. J., Weehawken—APARTMENTS—C. Neilson Constr. Co., Bway., West New York, having plans prepared two 5 story, 150 x 200 ft., brick and steel, plain foundation, 127-31 Parkview Ave. $500,000. Private plans.

N. J., Weehawken — APARTMENT — J. Levine, c/o F. Hubrti, archt., 116 Hauxhurst Ave., having plans prepared 5 story, brick, steel and stone, plain foundation, Park Ave. $150,000.

N. J., Westfield—MASONIC TEMPLE—A. F. & F. M. Lodge having sketches made by J. F. Jackson, 137 East 45th St., New York City, 3 story, brick and steel, plain foundation. $150,000.

N. J., West New York—APARTMENT—P. Latronica, c/o F. J. Ricker, archt., 685 Hudson Ave., having plans prepared 5 story, brick and steel, plain foundation, Hudson Blvd. $150,000.

N. J., West Orange (br. Orange)—THEATRE, STORE and OFFICE—S. and K. Holding Co., 545 Bway., Bayonne, having plans prepared by Warren & Warren, 31 Clinton St., Newark, 2 story, brick and steel, plain foundation, Valley Rd. and Freeman St. $150,000.

Pa., Ardmore—APARTMENT—Folsom, Stanton & Graham, archts., 10 South 19th St., Phila., soon let contract 3 story and basement, 59 x 200 ft., brick and steel, plain foundation, Athens and Walton Aves., for H. J. Rittenhouse, Ardmore. $175,000.

Pa., Phila.—APARTMENT—C. J. McIlvaine, 112 South 16th St., having plans prepared by McIlvaine & Roberts, 112 South 16th St., 16 to 20 story and basement, 40 x 47 x 78 x 190 ft., rein.-con., brick and steel, plain foundation, 251-53 South 17th St. $1,250,000-$1,500,000.

Pa., Phila.—HOTEL—Owner, c/o Ritter & Shay, archts., Packard Bldg., 25 story and basement, 72 x 117 ft., having plans prepared rein.-con., brick and steel, plain foundation, Broad and Spruce Sts. $4,000,000 incl. site.

Pa., Phila.—THEATRE—S. S. Shuberts, Broad and Locust Sts., having plans prepared 1 story, balcony and basement, rein.-con., brick and steel theatre, 2,000 seating capacity, plain foundation. Walnut and Quince Sts. $2,000,000. Engineer and architect's names withheld.

Pa., Quakertown—HOSPITAL—Quakertown Hospital Assn., H. G. Kittleman, pres., soon lets contract 4 story and basement, 40 x 140 ft., rein.-con., plain foundation, 11th St. and Park Ave. Ballinger Co., 12th and Chestnut Sts., archts. Noted May 26.

Md., Baltimore—KITCHEN—J. E. Sperry, archt., Calvert Bldg., postponed construction 2 story addition, irregular shaped rein.-con., brick, steel and stone, Bway. and Monument Sts., for Johns Hopkins Hospital, $200,000. Noted May 26.

D. C., Wash.—THEATRE and HOTEL, etc.—Owner, c/o Tillion & Tillion, archts., 415 Lexington Ave., New York City, having preliminary plans prepared 12 story, 250 x 300 ft. brick and steel, here. $5,000,000.

Va., Richmond — GARAGE — Richmond Storage & Serv. Garage, Inc., J. L. Moon, pres., Electric Bldg., plans garage, incl. circular ramp, etc.

Va., Richmond — THEATRE — C. A. Somma, 528 North 2nd St. and W. J. Coulter, soon take bids 1,500 seating capacity, 84 x 135 ft., brick and polychrome terra cotta, Westhampton Ave. $300,000. A. Bishop, Electrical Bldg., archt. Noted Oct. 21.

O., Cincinnati—STORE and LOFT—Alms & Doepke Co., Main St., having plans prepared by S. S. and G. H. Godfrey, Southern Ry. Bldg., 8 story and basement, 147 x 201 ft., each floor having 26,000 sq.ft. space, rein.-con. and brick, plain foundation, Sycamore St. $1,000,000.

O., Cleveland—WAREHOUSE—International Harvester Co., W. D. Price, supt. constr., 606 South Michigan Ave., Chicago, Ill., soon lets contract 3 story and basement, 120 x 145 ft., brick and rein.-con., East 55th St. and Julia Ave. $250,000. Private plans. Noted May 5.

O., Lakewood (br. Cleveland)—APARTMENT and GARAGE—P. F. Price, 12719 St., Clair Ave., Cleveland, having plans prepared by Allen-Osborn Co., engrs. and archts., Rose Bldg., Cleveland, 5 story and basement, 140 x 252 ft., brick and steel, West Clifton Blvd. $300,000.

Mich., Detroit — APARTMENT — R. T. Lee, 5-146 General Motors Bldg., having plans prepared 11 story and basement, rein.-con., brick and steel, plain foundation, 2nd Blvd. Private plans.

Ill., Chicago — APARTMENT HOTEL—S. F. Koerner, 4103 Belmont Ave., taking bids 7 story and basement, 50 x 150 ft., rein.-con., brick and stone. North Side. $500,000. Ross-Waegelein Co., 3406 North Cicero Ave., archts.

Ill., Chicago—AUDITORIUM—Cook Co. voted $15,000,000 bonds, auditorium 35,000-40,000 seating capacity. A. J. Cermak, pres. E. E. Hall, 123 West Madison St., co. archt.

Ill., Decatur — TEMPLE — W. Diefenthaler, building comr. Decatur Masonic Temple Assn., taking bids equivalent to 5 story and basement, 126 x 192 ft., Bedford stone, plain foundation, William St. $500,000. Holabird & Roche, 104 South Michigan Ave, Chicago, archts. Noted Mar. 17.

Ill., Dunning—HOSPITAL BUILDINGS Dept. Pub. Wks., State House, Springfield, soon lets contract two 2 story hospital infirmary buildings, also 1 and 2 story mechanicians store building, for Dunning State Hospital, here. W. J. Lindstrom, 608 South Dearborn St., Chicago, engr. J. A. Nyder, 608 South Dearborn St., Chicago, archt.

Ill., Waukegan—HOTEL—B. K. Gibson, archt., 624 South Michigan Ave., prepared plans and soon takes bids 9 story and basement, 74 x 102 ft., rein.-con., brick and terra cotta, Washington and Utica Sts., for Hotel Realty Building Corp. owned by Hi-Way Hotel Co., c/o architect. $500,000. Noted Mar. 31.

Kan., Leavenworth—HOTEL—Chamber of Commerce having preliminary plans prepared 7 story and basement, rein.-con., brick and stone hotel. $200,000 up. Engineer and architect not selected.

Neb., Fremont — HOSPITAL — Missouri Synod Lutheran Church, 428 East 3rd St., having plans prepared by H. C. Peterson, 425 Bankers Reserve Life Bldg., Omaha, 4 story and basement, rein.-con. and brick hospital. $150,000. Noted Nov. 11.

Mo., Jefferson City — PRISON — State Penal Bd., C. F. Enloe, dir., having plans prepared by Kennerly & Stiegemeyer, Title Guaranty Bldg., St. Louis, and soon takes bids stone, steel and concrete prison surrounded by high rein.-con. spiked walls, penitentiary grounds. $250,000. Noted May 26.

Mo., Joplin—HOTEL—Allis Hotel Co., c/o Connor Hotel, had plans prepared by A. H. Gentry, 9th and Delaware Sts., Kansas City, 9 story and basement, 120 x 150 ft., rein.-con. and brick addition, 4th and Joplin Sts. Noted Feb. 24.

Mo., Kansas City — OFFICE — Victor Building Co., Victor Bldg., had plans prepared by C. A. Smith, 800 Finance Bldg., 3 story, rein.-con. and brick addition, 10th and Main Sts. To exceed $150,000.

Buildings—Commercial (Continued)

Mo., Poplar Bluff—COURT HOUSE—Butler Co. having preliminary plans prepared 3 story, rein.-con., brick and stone court house. $200,000.

Mo., St. Louis—HOSPITAL—Bd. Pub. Serv., 208 City Hall, having plans prepared by L. R. Bowen & A. Osburg, 301 City Hall, 6 story and basement, rein.-con., brick and stone, Park and St. Ange Aves. $1,200,000. L. R. Bowen & H. Updike, City Hall, engrs.

Mo., St. Louis—HOTEL—Owner, c/o P. Rollhaus, Jr., archt., Central Natl. Bldg., having preliminary plans prepared 5 story and basement, 85 x 100 ft., rein.-con., brick and terra cotta hotel. $750,000.

Mo., St. Louis—OFFICE—F. A. Ludewig & Co., archts., 509 Dickmann Bldg., preparing preliminary plans 6 story and basement, 40 x 150 ft., rein.-con., brick and Bedford stone office building. $175,000. Owner's name withheld.

Ark., Hot Springs—HOTEL—E. G. Mattar having preliminary plans prepared by F. W. Gibbs & Co., Gazette Bldg., Little Rock, 15 story, 62 x 125 ft., rein.-con., brick and steel hotel. $750,000.

Tex., Beaumont — HOSPITAL — Hotel Dieu Hospital, Sisters of Charity of the Incarnate Word having preliminary plans, etc. prepared 4 story and part basement, rein.-con. and brick, plain foundation. $200,000. Private plans.

Tex., Quanah—HOTEL—J. L. Dossett, having preliminary plans etc. prepared 80 room, rein.-con. and brick, plain foundation. $185,000. Private plans.

Colo., Denver—AMUSEMENT—Holland Amusement Co., 1732 Welton St., having plans prepared by C. L. Coombs, associated with W. N. Bowman, Insurance Bldg., 2 story, 226 x 310 ft., steel, tile and stucco, Golden Rd., 7½ mi. from Civic Center. $500,000.

Ore., Portland—MEMORIAL ARMORY—City, c/o G. Baker, mayor, having plans prepared by L. L. Dougan, Kreamer Bldg., 2 and 3 story and basement, 200 x 400 ft., rein.-con. and brick armory. $900,000.

Calif., Laguna Beach—HOTEL—La Casa de Laguna Hotel Co., J. B. Neel, vice pres., having preliminary plans prepared by F. R. Spangler, Santa Ana, 6 story, 200 x 500 ft., rein.-con., from Boulevard to Cliff Dr. $1,000,000.

Calif., Los Angeles—APARTMENT—H. W. Keedy, 1555 North Western Ave., had plans prepared by Jones & Ward, 1555 North Western Ave., 4 story and basement, brick, North Serrano St. $150,000.

Calif., Los Angeles—APARTMENT—W. C. West, c/o F. Webster, archt., Hollywood Guaranty Bldg., having plans prepared 4 story and basement, brick, Oxnard St. $150,000.

Calif., Los Angeles — CLUB — Biltmore Country Club having plans prepared by M. Daniels, Administration Bldg., Bel-Air, rein.-con. club, Pacoima Canyon, here. $1,000,000.

Calif., Los Angeles—GARAGE—A. T. Pelton, 6001 Santa Monica Blvd., having plans prepared by R. D. King, Van Nuys Bldg., 6 story and basement, 100 x 125 ft., rein.-con., 8th and Normandie Aves. $200,000.

Calif., Los Angeles—Hollywood Y. M. C. A. had plans prepared by P. R. Williams, 202 Wilshire Arts Bldg., 4 story, 110 x 150 ft., rein.-con. and tile, Selma and Hudson Aves. $175,000.

Calif., San Francisco — HOTEL — Fairmount Hotel, Mason and California Sts., had preliminary plans prepared 24 story, 80 x 100 ft., hotel, Powell and California Sts., incl. tunnel connecting main building on opposite side of streets.

Calif., San Jose—APARTMENT—O. R. Thayer, archt., 110 Sutter St., San Francisco, soon takes bids 5 story and basement, rein.-con., for Park Lane, Inc., c/o architect. $175,000.

Bids Desired

Mass., Belchertown—ADMINISTRATION—June 21 by Commonwealth of Massachusetts, Dept. Mental Diseases State House, Boston, 2 story and basement, brick and stone, plain foundation. $150,000. Kendall, Taylor & Co., 142 Berkley St., Boston, archts.

Mass., Boston — APARTMENT — See "Contracts Awarded."

Mass., Springfield—APARTMENT—See "Contracts Awarded."

Mass., West Roxbury (Boston P. O.)—STORE and APARTMENT—L. Vogel, 5169 Washington St., taking bids 4 story and basement, brick and stone, plain foundation, Washington and Grove Sts. $150,000. N. S. Klink, 80 Boylston St., Boston, archt.

N. Y., Brooklyn—OFFICE—See "Contracts Awarded."

N. J., Bloomfield — APARTMENT — See "Contracts Awarded."

N. J., East Orange—APARTMENT—See "Contracts Awarded."

N. J., Elizabeth — APARTMENT — See "Contracts Awarded."

N. J., Elizabeth—DEPARTMENT STORE—M. Levy & Sons, 80 Broad St., taking new bids general contract 1 story, 30 x 50 x 65 x 70 x 80 x 100 ft., brick and steel, plain foundation, 80-84 Broad St., $150,000. Former bids rejected. W. L. Finne, 91 Broad St., archt. Noted June 2.

N. J., Elizabeth—HOTEL and STORE—June 24 (extended date), by W. L. Stoddart, archt., 50 East 41st St., New York City, 9 story, 67 x 107 x 215 ft., brick and steel, plain foundation, North Broad St., here, for Chamber of Commerce Hotel Co., 227 Broad St. $1,000,000. H. B. Brady, 333 North Broad St., associated archt. Noted June 2.

N. J., Irvington (br. Newark)—APARTMENT—See "Contracts Awarded."

N. J., Jersey City—APARTMENT—See "Contracts Awarded."

N. J., Jersey City—HOTEL—See "Contracts Awarded."

N. J., Orange—APARTMENT—See "Contracts Awarded."

N. J., Ridgewood — APARTMENT — W. Wilsey, 26 Avondale Rd., taking bids general contract 5 story, brick and steel, plain foundation, Franklin and Maple Aves. $250,000. D. J. Scrocco, 60 Park Pl., Newark, archt. Noted May 12.

N. J., Westfield — APARTMENT — See "Contracts Awarded."

Pa., Phila.—BANK—June 23, by A. H. Brockie, archt., 154 South 15th St., 1 and 3 story and basement, 25 x 166 ft., rein.-con., brick, steel and stone, plain foundation, 1508 Walnut St., for Bioren & Co., 410 Chestnut St. $160,000. Noted June 9.

Pa., Phila.—GARAGE—June 18, by R. Bencker, archt., Bellvue Court Bldg., 1 story and basement, 161 x 263 ft., and 70 x 120 ft., rein.-con., brick, steel, limestone and granite, plain foundation, 47th and Spruce Sts., for C. Siegel, Garden Court, West Phila. $200,000.

Pa., Phila. — HOME — June 24, A. E. Westover, archt., 109 South 22nd St., 3 story, mezzanine and basement, 56 x 112 ft., rein.-con., brick and steel, plain foundation, 16th and Fitzwater Sts., for Lodge 20, B.P.O.E., c/o architect. $150,000.

Pa., Phila.—STORE and RECREATION—June 22, by W. H. Lee, archt., Schaff Bldg., 1 story and basement, 70 x 244 ft., rein.-con., brick and steel, plain foundation, Bridge, Darrah and Frankford Sts., for Forum Amusement Co., c/o architect.

Pa., Pittsburgh — BANK — June 24, by Monongahela Natl. Bank, 6th and Wood Sts., 4 story and basement, irregular shaped, brick, steel and stone, Liberty Ave. $500,000. E. Stotz, Bessemer Bldg., archt. Noted Feb. 10.

Md., Baltimore — HOSPITAL — June 18, by J. E. Sperry, archt., Calvert Bldg., 4 story, irregular shaped, rein.-con. and brick, plain foundation, known as Wilmer Institute, Bway. and Jefferson Sts., for Johns Hopkins Hospital. $325,000. H. F. Doeleman, 516 North Charles St., engr. Noted Jan. 27.

O., Cleveland—AUDITORIUM—June 22, by City, W. R. Hopkins, city mgr., two 5 story and basement, 125 x 208 ft., and 60 x 208 ft., concrete, steel and stone additions, East 6th St., Lakeside and St. Clair Aves. $2,000,000. H. Kregelius, 604 City Hall, archt.

O., Cleveland — STORE, SUITES and GARAGE—Wallace Carnegie Co., c/o F. N. Riley, 862 Hanna Bldg., taking bids 3 story and basement, 113 x 130 ft., brick, steel and concrete, 8311 Carnegie Ave. $350,000. J. F. Steffens, Fidelity Bldg., archt.

O., Columbus—STORE—June 20, by V. Loewer Furniture Co., 136 East Main St., and Carmichael & Millspaugh, archts., East Long St., 4 story and basement, 62½ x 187½ ft., brick and concrete, 60 East Main St. $185,000.

O., Orient—COTTAGE—June 23, by J. E. Harper, dir. Dept. Welfare, 1 story and basement, 40 x 250 ft. with 4 wings, brick and concrete, Orient Farm for Feeble Minded, here. $150,000. H. B. Briggs, Ohio-Hartman Bldg., Columbus, archt. Noted May 26.

Ind., Kendallville—HOSPITAL—June 20, by Lakeside Hospital, C. S. Southwick, chn., rein.-con., brick and steel hospital. $150,000. A. M. Strauss, 415 Cal-Wayne Bldg., Ft. Wayne, archt.

Mich., Detroit—GARAGE—June 20, by A. Kahn, archt., 1000 Marquette Bldg., 19 story and basement, rein.-con., brick and steel, plain foundation, Congress St., for 1st Natl. Bank, Woodward and Cadillac Sq. Noted Dec. 30.

Mich., Detroit—HOSPITAL—June 25, by H. A. I. Andries, secy. Dept. Health, 1300 Beaubien St., 3 story and basement, rein.-con., brick and steel, plain foundation, Taylor Ave. $300,000. A. Kahn, 1000 Marquette Bldg., archt.

Ill., Joliet—PRISON—June 24, by Dept. Pub. Wks., State House, Springfield, 2 and 2 story administration building, also 1 or 2 story furniture factory, rein.-con. and stone for prison, here. $200,000. W. J. Lindstrom, engr., and J. K. Nider, archt., both 608 South Dearborn St., Chicago.

Mo., St. Charles—HOTEL—June 20, by St. Charles Hotel Co., Hermann Willbrand, pres., 4 story and basement, 70 x 115 ft., rein.-con., brick and terra cotta, 2nd and Washington Sts. $150,000. Manske & Bartling, 410 North Euclid Ave., St. Louis, archts. Noted May 19.

Mo., St. Louis—POLICE HEADQUARTERS—June 28 (extended date), by Metropolitan Police Dept., c/o A. C. Orrick, pres., 208 South 12th Blvd., superstructure, 5 story and basement, 138 x 218 ft., rein.-con., brick and stone, 12th St. and Clark Ave. $800,000. Mauran, Russell & Crowell, Chemical Bldg., engrs. Noted June 9.

Ark., Texarkana — STATION — E. M. Tucker, archt., c/o Missouri Pacific R.R. Co., Ry. Exch. Bldg., St. Louis, Mo., taking bids and opens same about June 30, 2 story, 50 x 282 ft., and 1 story, 40 x 285 ft., rein.-con., brick, steel and stone, here, for Missouri Pacific R.R. Co., Ry. Exch. Bldg., St. Louis, Mo., E. A. Hadley, ch. engr., St. Louis Southwestern R.R. Co., Tyler, Tex., W. S. Hanley, ch. engr., Kansas City Southern R.R. Co., Kansas City, Mo., A. W. Reese, ch. engr., and Texas & Pacific R.R. Co., Dallas, Tex., E. F. Mitchell, ch. engr. $1,700,000. Noted May 5.

Colo., Denver — MAUSOLEUM — Crown Hill Cemetery Assn., 1429 Champa St., taking bids 2 story and basement, 120 x 229 ft., rein.-con., bronze, granite and marble mausoleum. $1,000,000. C. A. Smith, 800 Finance Bldg., Kansas City, Mo., archts. Noted Mar. 31.

Calif., Los Angeles—APARTMENT—See "Contracts Awarded."

Calif., Los Angeles—WARD—June 27, by Supervs. Los Angeles Co., 2 story, 40 x 120 ft., rein.-con., County Farm.

Contracts Awarded

Mass., Boston — APARTMENT — Commonwealth Heights Realty Trust, c/o H. B. London, 294 Washington St., will build 4 story and basement, brick and stone, plain foundation, 1626-1630 Commonwealth Ave. To exceed $150,000. Silverman, Brown & Heenan, 51 Cornhill, archts. Work will be done by separate contracts.

Mass., Springfield — APARTMENT — M. Bennett, 62 Osgood St., will build 3 story and basement, brick and stone, plain foundation, 38-40 Bancroft St. $150,000. Work will be done by separate contracts. J. W. Foster, 105 Bridge St., archt.

Conn., Stamford — APARTMENT — F. Rubino, 420 1st Ave., West Haven, 6 story, 45 x 115 ft., brick and steel, Prospect St., to Ruda Constr. Co., 420 1st Ave., West Haven. Archts. est. $250,000.

N. Y., Brooklyn — OFFICE — Ellman Holding Corp., c/o H. Miller, 32 Court St., will remodel 6 story, steel and limestone office building Pierrepont St. near Fulton St., by day labor. $275,000. Private plans.

N. Y., New York—APARTMENT—Cooperative Constr. Co., c/o Turner & Bowden, archts., 15 East 40th St., 15 story 80 x 120 ft., brick and steel, plain foundation, 8-14 Mitchell Pl., to W. Kennedy Constr. Co., 215 Montague St., Brooklyn. Archts. est. $500,000. Noted Apr. 14.

N. Y., New York—APARTMENT—Three Hundred Thirty-Three East 68th Street Corp., 578 Madison Ave., 9 and 15 story and penthouse, 123 x 150 ft., brick, steel and stone, plain foundation, 333 East 68th St., to Fred T. Ley & Co., 578 Madison Ave. Archts. est. $1,000,000.

N. Y., New York—BANK—Owner, c/o G. F. Pelham, archt., 570 7th Ave., 2 story (ultimately 12 story), brick and steel bank, 416 West 42nd St., to W. Crawford, 7 East 42nd St.

N. Y., New York—BANK and OFFICE—Benenson Realty Co., 52 East 42nd St., 6 story and basement, brick, steel and stone, plain foundation, 167 Bway., to Starrett Bros., 101 Park Ave. Archts. est $550,000. Noted May 12.

N. J., Bloomfield — APARTMENT — M. Tzeses, 46 Bock St., Newark, will build 4

Constr. News page 391

Buildings—Commercial (Continued)

story, brick and steel, plain foundation, Berkeley Ave., here. $150,000. Work will be done by separate contracts. Private plans.

N. J., East Orange — APARTMENT — Lucerne Realty Co., Inc., 60 William St., Newark, general contract 4 story, 100 x 114 ft., brick and steel, plain foundation, 376-8 William St., to Bock-Jenson Constr. Co., 60 William St., Newark. Archts. est. $150,000. Noted June 9.

N. J., East Orange—APARTMENT—D. S. G. Apartments, Inc., 9 Clinton St., Newark, general contract 4 story, 85 x 160 ft., brick and steel, plain foundation, 4th Ave. and Northern Parkway, to D. Crowley, North 15th St. Archts. est. $250,000.

N. J., East Orange—APARTMENT—A. Moore, 145 Wood Ave., Linden, will build 4 story, brick and steel, plain foundation, 161 South Clinton St. $150,000. Work will be done by separate contracts. E. Gerber, 786 Broad St., Newark, archt.

N. J., Elizabeth—APARTMENT—Holzberg & Posnock Constr. Co., 1141 Warren St. Roselle, will build 5 story, 100 x 125 ft., brick and steel, plain foundation, 47-53 Elm St. $150,000. Work will be done by separate contracts. L. Kassoff & Flatt, 164 Market St., Newark, archts. Noted June 2.

N. J., Elizabeth—OFFICE and STORE—Bentrap Realty Co., 251 North Broad St., general contract 10 story and basement, 100 x 125 ft., brick and steel, concrete pile foundation, 1143-45 East Jersey St., to White Constr. Co., 95 Madison Ave., New York City. Archts. est. $450,000. Former contract rescinded. Noted June 2.

N. J., Irvington (br. Newark)—APARTMENT—Rynor Bros., 20 Sanford Pl., Newark, will build 4 story, brick and steel, plain foundation, 1-7 Temple Pl., here. $150,000. Work will be done by separate contracts. M. J. Nadel, 32 Hill St., Newark, archt.

N. J., Jersey City — APARTMENT — D. Clott, 117 Stevens Ave., will build 4 story, 50 x 100 ft., brick and steel, plain foundation, 5-7 Van Houten Ave. $150,000. Work will be done by separate contracts. C. J. Goldberg, 437 Bway., Bayonne, archt.

N. J., Jersey City—APARTMENTS—J. Baroff & N. Botwinck, 80 West 24th St., Bayonne, will build two 4 story, 40 x 100 ft., brick and steel, plain foundation, 9-11-13 Armstrong Ave., here. $150,000. Work will be done by separate contracts. Goldberg & Krant, 437 Bway., Bayonne, archts.

N. J., Jersey City — BANK — Bergen Avenue Trust Co., 15 Exchange Pl., general contract 1 story, 115 x 120 ft., brick and steel, plain foundation, Bergen Ave., to E. M. Johnson, 706 Bergen Ave. Archts. est. $150,000. Noted May 12.

N. J., Jersey City — HOTEL — Plaza Apartment Hotel Corp., 3010 Hudson Blvd., will build 7 story and basement, brick and steel, concrete pile foundation, Sip Ave. $500,000. Work will be done by separate contracts. Clinton & Russell, 100 Maiden Lane, New York City, archts.

N. J., Newark—BANK and OFFICE—Guardian Trust Co., 900 Broad St., general contract 5 story, 45 x 170 ft., brick and steel, plain foundation, 828-30 Broad St., to E. M. Waldron, Inc., 27 Central Ave. Archts. est. $250,000. Noted Apr. 28.

N. J., Newark — STORAGE WAREHOUSE—J. B. Snook, archt., 52 Vesey St., New York City, 9 story, 120 x 178 ft., rein.-con., concrete pile foundation, River St., here, to White Constr. Co., 95 Madison Ave., New York City, for Merchants Refrigerating Co., 41 River St. Archts. est. $700,000. Noted June 2.

N. J., New Brunswick—HALL of RECORDS—Bd. Freeholders Middlesex Co., general contract 1 story, 35 x 80 ft., rein.-con., brick and steel addition, plain foundation, Bayard St., to Nora & Nora Constr. Co., 52 Patterson St., $87,752. Noted May 19.

N. J., Orange — APARTMENT — Apex Building Co., c/o H. F. Clark, archt., 39 Clinton St., Newark, will build 5 story, brick and steel, plain foundation, Lincoln Ave. and Willow St., here. $150,000. Work will be done by separate contracts. Noted June 2.

N. J., Rahway—THEATRE—B. Engleman & D. M. Oltarsh, 36 West 44th St., New York City, 102 x 148 ft., rein.-con., brick and steel, Irving St. and Central Ave., here, to Oltarsh Building Co., 36 West 44th St., New York City. Archts. est. $150,000.

N. J., Union — APARTMENT — Owner, c/o J. Setti, archt., 314 9th St., general contract 5 story, brick and steel, plain foundation, Boulevard and 45th St., to C. Lafiura, 5145 Boulevard, North Bergen. Archts. est. $150,000. Noted Apr. 28.

Pa., Phila.—BANK—Simon, Brittain & English, archts., 923 Chestnut St., 1 story, mezzanine and basement, 32 x 100 ft., rein.-con., brick and steel, plain foundation, 5604 North 5th St., to J. M. Yardley, 1700 Walnut St., for Natl. Bank of Olney, 5604 North 5th St. Noted June 2.

Pa., Phila.—OFFICE and WAREHOUSE—Phila. Wholesale Drug Co., 645 North Broad St., 7 story and basement, 113 x 190 ft., rein.-con. and brick, plain foundation, Spring Garden and 10th Sts., to Turner Constr. Co., 1700 Walnut St. Archts. est. $700,000. Noted Dec. 2.

Del., Wilmington—ARMORY—Secretary Armory Comn., 3 story front, basement in rear, and drill hall, 185 x 190 ft., brick, steel and rein.-con., 10th, 11th Scott and duPont Sts., to Northeastern Constr. Co., Lexington Bldg., Baltimore, Md., and 101 Park Ave., New York City. $206,840. Noted May 17.

Va., Richmond—THEATRE—J. Eberson, archt., 250 West 57th St., New York City, brick, steel, stone and rein.-con. theatre, 6th and Grace Sts., here, to J. T. Wilson Co., Inc., Mutual Bldg., for Loews, Inc., State Theatre Bldg., 45th St. and Bway., New York City. Archts. est. $450,000. Noted May 12.

O., Cleveland — STORE, OFFICE and SUITES—P. J. Brandshaw, archt., 1900 Euclid Bldg., 2 story and basement, 65 x 102 ft., brick, steel and concrete, East 117th St. and Detroit Ave., to Craig-Curtiss Co., 4614 Prospect Ave., for Loews Ohio Theatre, Inc., c/o J. Laronge, Union Trust Bldg. Archts. est. $150,000. Noted May 26.

Mich., Detroit — RECREATION — Dept. Recreation, 504 Elmwood Ave., 2 story and basement, rein.-con., brick and steel, plain foundation, incl. swimming pool, Fairview Ave., to S. J. Mittler Constr. Co., 400 Penobscot Bldg., $199,781.

Ill., Chicago—APARTMENT and STORE—J. J. Jenson, archt., 1105 Lawrence Ave., masonry contract 3 story and basement, 100 x 150 ft., brick, Argyle and Kenmore Aves., to J. Cassidy, 4554 Bway., for G. W. Prascas, 111 West Washington St. Archts. est. $150,000. Noted Apr. 28.

Ill., Chicago—APARTMENT HOTEL—G. V. Stibgen, 1110 West 35th St., masonry contract 3 story, 100 x 129 ft., brick, 4380-90 Archer St., to Joslyn Bros., 7113 Vernon Ave. Archts. est. $175,000.

Ill., Chicago — HOTEL and APARTMENT—Syndicate, c/o Oman & Lilienthal, archts., 64 West Randolph St., concrete, brick and steel contract 20 story and 2 subbasements, 100 x 101 ft., 165,000 sq.ft. floor space, St. Clair and Ohio Sts., to Paschen Bros., 111 West Washington St., and terra cotta, to Advance Terra Cotta Co., 203 South Dearborn St. Noted Apr. 7.

Ill., Chicago — OFFICE and WAREHOUSE, etc. — A. Epstein, archt., 2001 West Pershing Rd., general contract 2 and 1 story, 176 x 275 ft. warehouse, pipe shop and office building, 4909-33 South Western Ave., to Heidel & Beck, 6235 South Michigan Ave., for Grinnell Co., Inc., 208 South La Salle St. Archts. est. $300,000. Noted Apr. 28.

Ill., Chicago—STORE—G. C. Nimmons & Co., archts., 122 South Michigan Ave., general contract 3 story and basement, 130 x 200 ft., rein.-con., brick and stone, 62nd St. and Western Ave., to B-W Constr. Co., 720 Cass St., for Sears, Roebuck & Co., Arthington and Homan Sts. Noted May 19.

Wis., Green Bay—HOSPITAL—Bellin Memorial Hospital, c/o J. J. Bellin, Bellin Bldg., 3 story, 44 x 55 ft., rein.-con., brick and steel, plain foundation, here, to F. H. Rapp, 1109 Gregory St. Archts. est. $150,000. Noted May 26.

Ia., Cedar Rapids—THEATRE, STORE and OFFICE—Orpheum Theatre Corp., 422 West 4th St., Waterloo, general contract 3 story, brick, 3rd St., here, to R. Levine & Co., 6951 South Green St., Chicago, Ill. Archts. est. $1,000,000. Noted June 9.

Mo., St. Louis — GARAGE — Eighth & Morgan Garage & Filling Station, Inc., c/o J. H. Bawden, pres., 5 story and basement, rein.-con., 8th and Morgan Sts., to Boaz-Kiel Constr. Co., Ambassador Theatre Bldg. Archts. est. $300,000.

Mo., St. Louis—MOTOR BUS GARAGE—Frank Dubinsky, Wainwright Bldg., 1 and 2 story, 155 x 165 ft., rein.-con. and brick, Iron St. west of Grand Blvd., to A. H. Stiel Co., 815 Chestnut St. Archts. est. $150,000.

Calif., Chico — THEATRE — Turner & Dahnken, 988 Market St., San Francisco, rein.-con., here, to Salih Bros., Quimby Bldg., Los Angeles, approximately $175,000.

Calif., Los Angeles — APARTMENT — J. Marks, 4 story and basement, 110 x 238 ft. brick, 5163 Fountain Ave., to S. F. Bard & Co., 566 Chamber of Commerce Bldg., $450,000.

Calif., Los Angeles — APARTMENT — L. Stenquist of Starling Investment Co., Pershing Sq. Bldg., 5 story and basement, 64 x 140 ft., rein.-con., Normandie Ave. between 4th and 5th Sts., to E. C. English, 401 South Normandie St., $160,000. Noted June 2.

Calif., Los Angeles—APARTMENT—L. M. Taylor, 1410 Pointsetta Pl., 4 story and basement, brick, Melrose Ave., to J. M. Taylor, 254 South Western Ave., $150,000.

Calif., Los Angeles—APARTMENT—F. E. Campbell, et al, c/o A. H. Hill, 631 H. W. Hellman Bldg., will build brick, 9th St. and St. Andrews Pl., by day labor and sub-contracts. $16[illegible],000.

Calif., Los Angeles — APARTMENT — G. W. Amor, 13393 Doheny Dr., 4 story, 68 x 181 ft., brick, stone and steel, 1759 Orchid Ave., to O. C. Williams, 315 South Western Ave., $186,000.

Calif., Oakland—GARAGE—Lloyd Bros., c/o Reed & Corbett, archts., Oakland Bank of Savings Bldg., 4 story and basement, rein.-con., Alice St., to E. A. Duval, Dalziel Bldg., approximately $165,000.

Calif., San Francisco—APARTMENT—Van Clay Builders, c/o A. H. Larsen, archt., 447 Sutter St., 5 story and basement, steel and concrete, Clay St. and Van Ness Ave., to Stock, Maas & Sauer, 1820 Clay St. **$150,000 or more.**

Buildings—Industrial

Proposed Work

N. Y., Long Island City—PRINTING PLANT—Latham Lithographing & Printing Co., Woodside Ave., having plans prepared by Lockwood, Greene & Co., Inc., 100 East 42nd St., New York City, 1, 2 and 3 story, brick and steel addition, Woodside Ave. $150,000.

N. J., Paulsboro—OIL PLANT—Vacuum Oil Co. soon lets general contract 3 story, brick and steel, plain foundation. $50,000. Private plans.

Miss., Water Valley—LIGHT PLANT—See "Waterworks."

O., Canton—PRINTING PLANT—Daily News Printing Co., 402 2nd Ave. N. W., takes bids about July 1, 2 story and basement in front and 3 story in rear, 66[illegible] x 200 ft., Market St. S. $400,000.

O., Cleveland—FOUNDRY and SMELTING—River Smelting & Refining Co., J. W. Grodin, pres.-treas., Bradley Rd. and Baltimore & Ohio R.R. tracks, had plans prepared by A. Sogg, 3030 Euclid Ave., 2 and 3 story, 86 x 126 ft., brick and rein.-con., Bradley Rd. $100,000.

Ind., Anderson—PLANT—Maring Wire Co., Muskegon, Mich., soon lets contract 100 x 280 ft., rein.-con., 31st and Noble Sts. here. $40,000.

Ill., Decatur — GAS APPARATUS HOUSE, etc.—Illinois Power & Light Corp., J. A. Abbott, mgr., plans rebuilding gas apparatus house, rein.-con., brick and steel, plain foundation, recently destroyed by storm, $50,000; also 28 x 53 ft. gas house, 45½ ft. high, brick and steel, plain foundation, $85,000, both on Wood St.

Wis., Baraboo—STATION—M. Feinberg having plans prepared by French & Amundson, Baraboo, 1 story, 60 x 90 ft., rein.-con., brick and steel, plain foundation. $40,000.

Mo., St. Louis—WAREHOUSE, etc.—Bolin Corp., H. B. Bole, pres., 110 East 42nd St., New York City, having preliminary plans prepared by C. H. Moores, 110 East 42nd St., New York City, rein.-con. and brick warehouse, dock, freight terminal, etc., 1st, Palm and Warren Sts. and Burlington R.R. tracks, here. To exceed $1,000,000. Moores & Dunford, Inc., 110 East 42nd St., New York City, engrs.

Mo., St. Louis—POLE PLANT—Westinghouse Electric & Mfg. Co., 3860 Bingham Ave., having preliminary plans prepared 2 rein.-con. (daylight type) building additions, Bingham Ave. $250,000 each. Private plans.

Tex., Harlingen—COMPRESS PLANT—Aransas Compress Co., Corpus Christi, making plans rebuilding plant, here, recently destroyed by fire. $75,000.

Calif., Saticoy — PACKING PLANT — Walnut Growers Assn. having plans prepared by A. C. Martin, Higgins Bldg., Los Angeles, 1 story, 90 x 200 ft. timber packing plant.

Calif., South San Francisco — LIME PLANT—Kunze Lime Co. had plans prepared (1st unit) lime plant, incl. 3 kilns $40,000. Private plans.

Ont., Port Arthur—PULP and PAPER PLANT—Nipigon Corp. Ltd. purchased site and soon takes bids 400 ton per day pulp and paper plant.

Ont., Windsor—SHOPS—Wabash Ry., R. H. Howard, ch. engr., Exch. Bldg., St.

Constr. News page 392

Buildings—Industrial (Continued)

Louis, Mo., having plans prepared new shops, yards, and roundhouse, here. $250,000.

Bids Desired

Vt., Proctor — MARBLE MILL — See "Contracts Awarded."

Mass., Caryville — DYE HOUSE — Taft Woolen Co., c/o C. T. Main, Inc., engrs., 201 Devonshire St., Boston, taking bids 2 story dye house, brick, plain foundation. $40,000.

Mass., Lynn—GARAGE, SERVICE and REPAIR SHOP—See "Contracts Awarded."

Mass., Worcester—BOILER HOUSE and COMPRESSOR ROOM—Boston & Albany R.R. Co., G. A. Kirley, ch. engr., South Station, Boston, taking bids 1 story, 48 x 50 ft., and 20 x 30 ft., brick steel and tile, plain foundation. Private plans.

Pa., Phila.—MANUFACTURING—June 21, by Harris & Richards, archts., Drexel Bldg., for Building 1, 1 story and gallery, 141 x 554 ft., rein.-con., brick and steel, plain foundation, Elmwood Ave. between 67th and 70th Sts.; for General Electric Co., Witherspoon Bldg., here, and River Rd., Schenectady, N. Y.

Pa., Phila.—WAREHOUSE—June 17, by Phila. & Reading R.R. Co., C. Dillenbeck, ch. engr., Reading Terminal, 3 story and basement, 110 x 374 ft., rein.-con. and brick, plain foundation, 20th and Hamilton Sts., here.

Pa., Pittsburgh—BOLT MANUFACTURING—See "Contracts Awarded."

N. J., Camden—GARAGE—June 22, Pub. Serv. Production Co., archts., Terminal Bldg., Newark, 1 story and basement, 140 x 155 ft., rein.-con., brick and steel, plain foundation, 17th and Stevens Sts. for Pub. Serv. Electric & Gas Co., 418 Federal St., $150,000.

Tex., Houston — WAREHOUSE and FREIGHT DEPOT — June 27, Missouri-Kansas-Texas R.R. Co., F. Ringer, ch. engr., Ry. Exch. Bldg., St. Louis, Mo., 1 and 2 story, 50 x 380 ft., 50 x 81 ft., 40 x 81 ft., also covered shed 16 x 402 ft., rein.-con. and steel. A. L. Sparks, Ry. Exch. Bldg., St. Louis, Mo., archt.

Contracts Awarded

Vt., Proctor — MARBLE MILL—Vermont Marble Co., H. A. Ringland, will build 1 story marble mill. $40,000. Work will be done by separate contracts. G. H. Davis, c/o owner, engr.

Mass., Boston—FACTORY—New England Magnesia Co., M. A. Robinson, 84 Leverett St., 2 story, 45 x 200 ft., brick, Heath St., to H. E. Cline Co., 43 Tremont St. Archts. est. $40,000

Mass., Lynn—GARAGE, SERVICE and REPAIR SHOP—H. Weinstein, 18 Whittier St., will build 1 story, rein.-con. and brick, plain foundation. $50,000. Work will be done by separate contracts. E. Earp, 333 Union St., archt.

R. I., Pawtucket—BAKERY—New England Bakery Co., J. Collier, pres., brick and steel, Geneva and Darthmouth Sts., to Palchin Constr. Co., 75 Westminster St., Providence. Archts. est. $250,000. Noted Apr. 21.

Conn., Fairfield—FACTORY—Handy & Harmon, 620 Kings Highway, 4 brick and steel buildings, to Pardy Constr. Co., 1481 Seaview Ave., Bridgeport. Archts. est. $45,000.

N. Y., Albany—FACTORY and CLEANING PLANT — Long Island Cleaners & Dyers, 1 story, 65 x 120 ft., brick, steel and stone, plain foundation, 1078-1080 Bway., to J. P. Sewell, 372 Hudson Ave. Archts. est. $100,000.

N. J., Elizabeth—OIL FACTORY—Cook & Swan, Inc., South Front St., general contract 3 story, 50 x 100 ft., brick and tile, concrete pile foundation, South Front St., to J. J. Thomas, 19 Mertz Ave., Hillside. Archts. est. $50,000.

N. J., Jersey City—SWITCHING STATION—Pub. Serv. Electric & Gas Co., 80 Park Pl., Newark, 2 story, 40 x 75 ft., rein.-con., brick and steel, concrete pile foundation, Hackensack River and Penn Horn Creek, here, to Pub. Serv. Production Co., 80 Park Pl., Newark. Archts. est. $100,000.

Pa., Phila.—MILL—Schletter & Zander, Kensington Ave., and M St., 3 story and basement, 62 x 104 ft., rein.-con. and brick, plain foundation, Tulip and Rahn Sts., to W. F. Lotz, 4644 Frankford Ave. Archts. est. $90,000.

Pa., Pittsburgh—BOLT MANUFACTURING—B. H. Prack, archt., Martin Bldg., will build 1 and 4 story and basement, irregular shaped, brick and steel addition, 54th St., for R. D. Nuttall Co., Harrison Ave. $200,000. Work will be done by separate contracts. Noted May 26.

Va., Covington—STORAGE, etc.—West Virginia Pulp & Paper Co., 200 5th Ave., New York City, 70 x 240 ft., brick and steel storage building and railroad trestle, here, to M. C. Tuttle Co., 862 Park Sq. Bldg., Boston, Mass.

O., Columbus — REPAIR GARAGE — Hoster Realty Co., 1 South 4th St., 2 story and basement, 57 x 92 ft., brick, terra cotta and concrete, South 4th St., to A. H. Leibbrand, 262 Donaldson St., approximately $35,000. Noted Apr. 28.

Ill., Chicago—PRINTING PLANT—A. S. Alschuler, archt., 28 East Jackson Blvd., general contract 6 story and basement addition, 2242 Grove St., to G. Arquette Co., 180 North Michigan Ave., for Cuneo Press Co., 455 West 22nd St.

Buildings—Educational, Religious

Proposed Work

Mass., Boston—NURSES HOME—Boston Nurses Club & Registry, 839 Boylston St., having sketches made by J. F. Cullen, 366-A Commonwealth Ave., 5 story and basement, 50 x 150 ft., brick, Back Bay Dist. $175,000.

Mass., Boston—SCHOOL—Owner, c/o J. F. Cullen, archt., 366-A Commonwealth Ave., having sketches made 6 story and basement, brick, plain foundation, Back Bay Dist. $200,000.

Mass., Taunton—SCHOOL—Holy Rosary Parish, 80 Boylston St., having revised plans prepared by J. I. Higgins, 44 Borden Blk., Fall River, 2 story and basement, brick school, incl. auditorium, plain foundation. $150,000.

Conn., Hartford — SCHOOLS — City, Washington School Dist., P. H. Greene, chn., having plans prepared by Mylschreest & Reynolds, 238 Palm St., 4 room addition to Washington St. School; and 6 room addition to Wilson St. School, both brick and steel. $200,000. Engineer and architect not selected on latter project. Noted May 19.

N. Y., Woodhaven (Ind. br. Jamaica)—HIGH SCHOOL—Bd. Educ., 500 Park Ave., New York City, had plans prepared by W. H. Gompert, Flatbush Ave. extension and Concord St., Brooklyn, John Adams High School, Sutter Ave., 101st and 103rd Sts., here. $1,500,000-$2,000,000.

N. J., Fort Lee—HIGH SCHOOL—Bd. Educ., Municipal Bldg., having plans prepared by Sibley, Bluff Rd., Palisade, 2 and 3 story, brick and steel, plain foundation, Leomine Ave. $675,000 appropriated. Noted May 5.

N. J., Jersey City—SCHOOL—St. Nicholas Church, 118 Ferry St., postponed construction 3 story, brick and steel, plain foundation, 118 Ferry St. $150,000. Work will probably be abandoned. F. J. Ricker, 685 Hudson Ave., West New York, archts. Noted Apr. 21.

N. J., Perth Amboy — SCHOOL — Our Lady of Hungary Roman Catholic Church, 697 Cortland St., having plans prepared by G. M. Ricci, 224 Smith St., 2 story and basement, brick and steel, plain foundation, Cortland St. $150,000.

N. J., Springfield—HIGH SCHOOL—Bd. Educ., Short Hills Ave., having sketches made by F. A. Elsasser, 845 Broad St., Newark, 3 story, brick and steel, plain foundation, Mountain Ave. near Flemer Ave. $250,000.

Pa., Chambersburg—DORMITORY and RECITATION — Ludlow & Peabody, archts., 101 Park Ave., New York City, soon take bids 4 story, brick and steel, plain foundation, on campus, here, for Wilson College. $150,000. Noted Apr. 21.

D. C., Wash.—CHURCH and SUNDAY SCHOOL—H. L. Cheney, archt., soon lets contract 80 East Jackson Blvd., Chicago, Ill., church and sunday school, 16th St. between Oak and Meridan S'ts. N. W., here, for 4th Church of Christ Scientist. $250,000. Noted June 2.

Tenn., Nashville — COLLEGE — Bd. Trustees Vanderbilt University, having plans prepared by H. C. Hibbs, Nashville Trust Bldg., three 3 story and basement buildings, on campus. $1,000,000. Noted Feb. 4.

O., Dayton—GYMNASIUM—University of Dayton, B. P. O'Reilly, pres., having plans prepared by H. Germann, Miami Savings Bldg., 160 x 320 ft., rein.-con., brick and steel, plain foundation, incl. swimming pool, on University Campus. $350,000.

Wis., Green Bay—SCHOOL—Bd. Vocational Educ., H. Stuart, secy., City Hall, having plans prepared by Foeller & Schoeber, Nicollett Bldg., 3 story, 120 x 150 ft., rein.-con., brick and steel, plain foundation, here. $250,000.

Mo., St. Louis—SCHOOL—Academy of Sacred Heart, c/o A. Reid, Taylor and Maryland Aves., plans 3 story and basement, girls school, rein.-con., brick and stone. $200,000.

Tex., Amarillo — SCHOOL — Bd. Educ., c/o W. N. Burham, pres., had plans prepared by E. F. Rittenberry, 301 Blackburn Bldg., and soon takes bids 1 story, 24 class-room, refn.-con., and brick, plain foundation. $150,000.

Tex., Brownsville — HIGH SCHOOL — Voted $350,000 bonds, Junior High School. Phelps & DeWees, Gunter Bldg., and A. B. & R. M. Ayres, 626 Bedell Bldg., San Antonio, archts. Noted Feb. 17.

Okla., Shawnee—HIGH SCHOOL—Bd. Educ. had preliminary plans prepared by A. C. Davis, Shawnee, rein.-con. and brick, plain foundation, Bway. $200,000.

Calif., Fullerton—CHURCH—Methodist Episcopal Church had preliminary plans prepared by Allison & Allison, Hibernian

News-Record Information Bureau

Are you making the most use out of this equipment information bureau? Let *News-Record* help you get in touch with those who can best meet your requirements for machinery and materials.

Use the Coupon to make your requirements known

A. W. Welch,
ENGINEERING NEWS-RECORD,
Tenth Ave. at 36th St., New York, N. Y.

In the market for:

. . . . . .

. . . . . .

. . . . . .

Name . . . . . .

Address . . . . . .

Constr. News page 393

Buildings—Educational, Religious (Cont.)

Bldg., Los Angeles, church. $150,000. Noted Apr. 21.

Calif., Los Angeles—CHURCH—Austin & Ashley, archts., Chamber of Commerce Bldg., soon takes bids 90 x 145 ft., rein.-con. church with 80 ft. dome, Washington Blvd., for 1st United Presbyterian Church, c/o architects. $200,000 or more.

Calif., Stockton — CHURCH — First Church of Christ Scientist had plans prepared by Allen & Young, 41 South Sutter St., brick church, Flora and Center Sts. $150,000.

Calif., Venice—HIGH SCHOOL—Venice Union High School Dist. defeated $425,000 bonds, high school.

Bids Desired

N. H., Exeter—HIGH SCHOOL—Town, W. Rowe, chn. com., taking bids 2 story and basement, brick and stone, plain foundation. $150,000. J. E. Richardson, 56 Grove St., Dover, archt. Noted May 26.

N. H., Plymouth—DORMITORY—State of New Hampshire, E. L. Silver, taking bids 3 story and basement, brick and stone, plain foundation, at State Normal School. $150,000. R. C. Whitcher, 814 Elm St., archt. Noted Mar. 31.

N. H., Tilton—HALL and DORMITORY—Tilton School, G. A. Fairbanks, in charge, taking new bids, 2 story and basement, brick and stone, plain foundation, School St. $150,000. Former bids rejected. Hutchins & French, 11 Beacon St., Boston, Mass., archts. Noted Dec. 9.

Mass., Belmont—CHURCH—All Saints Church, c/o H. Chisholm & H. T. Underwood, archts., 46 Cornhill, Boston, taking bids altering and constructing 1 story, brick and granite addition. Common St. $150,000. Noted May 12.

Mass., Brookline (br. Boston)—SCHOOL—Town, Bd. Educ. taking bids altering and constructing 2 story and basement, brick and stone addition to R. C. Winthrop School, plain foundation. $150,000. Kilham, Hopkins & Greeley, 9 Park St., Boston, archts. R. D. Kimball Co., 6 Beacon St., Boston, engrs. Noted June 9.

Mass., Wellesley — HIGH SCHOOL — Town, L. J. Towne, chn. com., taking bids 2 story and basement, brick and stone addition to Alice Phillips School, plain foundation. $150,000 or more. B. Proctor, 25 Arch St., Boston, archt. Noted May 19.

R. I., Providence—DORMITORY—June 20, by House of Good Shepherd, Sister Mary Frances, 4 story, brick and steel, Eaton St. $200,000. A. J. Murphy, 146 Westminster St., archts. Noted Nov. 11.

Conn., Simsbury — HIGH SCHOOL — June 18, by F. I. Cooper Corp., archts., 172 Tremont St., Boston, Mass., 1 story and basement, brick, steel and stone addition, plain foundation, Main St., for Town, R. Darling, chn. Building Com. $150,000. Noted Feb. 24.

Conn., Thompsonville — CHURCH—June 18, by St. Adelbert's Parish, superstructure 1 story, brick and stone church. $150,000. L. A. Walsh, 51 Leavenworth St., Waterbury, archts. Noted Mar. 24.

Conn., Willimantic—SCHOOL—June 23, by State Bd. Educ., 130 Washington St., Hartford, 2 story and part basement, 13,500 sq.ft. floor space, steel, Valley St. Payne & Keefe, 231 State St., New London, archts. Noted Mar. 10.

N. Y., Addison—SCHOOL—July 6, by Bd. Educ., Union School Dist. 1, at office W. B. Clark, clk., for school. Palmer Rogers, 101 Park Ave., New York City, archt.

N. Y., Albany — HOME — June 20, by Gander, Gander & Gander, archts., 17 Steuben St., home, New Scotland Ave., for Sisters of Mercy Home. $200,000. Noted May 5.

N. Y., New York — NURSES HOME — June 20, by B. S. Coler, comr. Dept. Pub. Welfare, Municipal Bldg., altering and additions to nurses home, Metropolitan Hospital Dist., Welfare Island.

N. Y., Tuckahoe (Ind. br. Yonkers)—SCHOOL—June 23, by Bd. Educ., Waverly School, 3 story and basement, rein.-con., brick and steel, plain foundation, Tuckahoe Ave. and White Plains Rd. $325,000 appropriated. Noted Feb. 4, 1926.

N. J., Paterson—CHURCH—Fanning & Shaw, archts., 49 Ward St., taking bids 1 story and basement, brick, steel and stone, plain foundation, Getty Ave., for St. George Roman Catholic Church. $150,000.

Pa., Johnsonburg—SCHOOL—Bd. Educ. and R. G. Howard, archt., Dubois, taking bids 2 story and basement, irregular shaped, brick and steel school. $150,000.

O., Cleveland—NURSES HOME—Charity Hospital, c/o J. E. Crew of Sterling & Welch Co., 1225 Euclid Ave., taking bids

Constr. News page 394

5 story and basement, brick, steel and concrete, East 22nd St. and Central Ave. $1,200,000. G. E. Rider & Co., Century Bldg., archt. Noted Feb. 3.

O., New Lebanon—SCHOOL—June 20, by Bd. Educ., E. Clein, clk., 2 story and basement, brick and concrete, plain foundation, for Bd. Educ., Jefferson Twp. Rural School Dist. $150,000. W. A. Rabold, Martin Bldg., Canton, archt.

Mich., Detroit—SCHOOL—June 22, by C. A. Gadd, bus. mgr. Bd. Educ., 1354 Bway., 2 story and basement, rein.-con., brick and steel, plain foundation, Outer Dr. near Buckingham Ave., $176,440; and 2 story and basement, rein.-con., brick and steel, plain foundation, Hilldale, $176,437. McGrath, Dohmen & Page, 2231 Park Ave., Detroit, archts. Noted June 2.

Mich., Ferndale (br. Detroit)—SCHOOL—June 21, by Secretary Bd. Educ., 2 story and basement, rein.-con., brick and steel, plain foundation. $225,000. H. T. Keyes, Free Press Bldg., Detroit, archt.

Mich., Ferndale (br. Detroit)—SCHOOL—June 24, by G. Damon, secy. Bd. Educ., Dist. 9, Central High School Bldg., 2 story and basement, rein.-con. and brick, plain foundation, Allen Rd. $225,000. H. T. Keyes, 635 Free Press Bldg., Detroit, archt. Noted Feb. 17.

Mich., Jackson—SCHOOL—June 21, by Bd. Educ., and Childs & Smith, archts. 720 North Michigan Ave., Chicago, Ill., 2 story and basement, 149 x 213 ft., rein.-con., brick and stone, Pearl and State Sts. $300,000.

Wis., Green Bay — HIGH SCHOOL — June 23, by Bd. Educ., I. H. McIntire, supt., West Side Junior High School, 4 story, rein.-con., brick and steel, Shawano Ave. $500,000. Former contract rescinded. C. C. Reynolds, Northland Hotel, archt. Noted May 12.

Wis., Kenosha—SCHOOL—June 27, by Bd. Educ., 2 story and basement, irregular shaped, rein.-con., brick and stone school, Salem Ave. $351,000. J. D. Chubb, 109 North Dearborn St., Chicago, Ill., archt.

Wis., Milwaukee—SCHOOL—June 23, by Bd. Industrial Educ., E. O. Miehl, secy., (3rd unit) Central Continuation School, 6 story and basement, 166 x 220 ft., brick and steel, 6th and Highland Sts. $1,200,000. Van Ryan & DeGelleke, 114 Wisconsin Ave., archts.

Wis., Milwaukee—SCHOOL—June 27, by Bd. Educ., Fernwood School, 4 story and basement, 125 x 131 ft., rein.-con., brick and steel, plain foundation, Penna Ave. and Falling Heath Pl. $375,000. Private plans.

Tex., College Station—DORMITORIES—July 6 by A. & M. College, c/o F. M. Law, pres. State Bd., Austin, two 3 story, 34 x 39½ ft., rein.-con., brick and tile, plain foundations. $300,000. Former bids rejected. H. N. June, college archt. Noted May 26.

Bids Received

N. Y., Richmond Hill (Ind. br. Jamaica)—HIGH SCHOOL—W. H. Gompert, supt. School Buildings, Flatbush Ave. extension and Concord St., Brooklyn, June 7, Richmond Hill High School, 89th Ave., 114th and 113th Sts., here, from T. G. Sterling & Co., Inc., 103 Park Ave., New York City, for Bd. Educ., 500 Park Ave., New York City. $1,550,000. Noted May 12.

Contracts Awarded

N. Y., Bellmore—SCHOOL—St. Barnabas School, J. E. Wynne, pastor, 2 story and basement, 60 x 145 ft., rein.-con., brick, steel and stone, plain foundation, Washington Ave. and Beverly Pl., to F. Groesch, 11018 Jamaica Ave., Richmond Hill. Archts. est. $225,000.

N. Y., Huntington—SCHOOL—Bd. Educ., general contract school, to Bunce & Jorgenson, Inc., New York Ave., $223,700.

N. Y., Jamaica—SCHOOL—Bd. Educ., 500 Park Ave., New York City, general contract addition to P. S. 45, here, to G. F. Driscoll Co., 548 Union St., Brooklyn, $383,767. Noted May 19.

N. Y., Richmond Hill (Ind. br. Jamaica)—HIGH SCHOOL— Bd. Educ., 500 Park Ave., New York City, Richmond Hill High School, 89th Ave., 113th and 114th Sts., here, to T. J. Sperling & Co., 103 Park Ave., New York City, $1,550,000. Noted May 12.

N. Y., Rockville Center—SCHOOL—Bd. Educ., general contract Hewett Street and Morris Street Schools, to J. Eisele, 18 East 41st St., New York City, $326,000; heating and plumbing, to J. E. Curley, Seacliff, $67,000; electrical work, to H. V. Crosby, Woodmere, $15,045. Grand total $408,045.

Ga., Mulberry (mail Chico)—CHURCH—Building Com. Mulberry Methodist Episcopal Church, Macon, 2 story and basement, brick, steel and rein.-con., plain foundation, here, to C. W. Jones & Son, Macon, $180,000. Noted Nov. 18.

Ky., Louisville—SCHOOL—City, general contract 3 story, rein.-con. and brick Bellevue Ave., to C. A. Koerner, 318 East Burnett St. Archts. est. $500,000.

O., Denison — HIGH SCHOOL — Bd. Educ., general contract 2 story and basement, 123 x 177 ft., brick, steel and concrete, to Smith & Shafer, Dover, $200,000. Noted Apr. 7.

Ind., Evansville—GYMNASIUM—School Comrs., general contract gymnasium for Central High School, 6th and Division Sts., to Scarborough-Davies Co., 710 Old State Bank Bldg., Evansville, $111,174. Noted May 5.

Mich., Rogers—SCHOOL—G. W. Grambau, secy. Union School Dist., 2 story and basement, 100 x 210 ft., rein.-con., brick and steel, plain foundation, to Bay City Stone Co., Bay City. Archts. est. $200,000. Noted Apr. 14.

Wis., Madison—CHEMISTRY—University of Wisconsin, J. D. Phillips, bus. mgr., 4 story and basement, 40 x 200 ft., rein.-con., brick and tile addition, plain foundation, on campus, to DeForest Lumber Co., DeForest, and Maas Bros., Watertown, $278,873. Noted Mar. 10.

Kan., Topeka — HIGH SCHOOL — Bd. Educ., general contract Oakland Junior High School, 2 story and basement, 112 x 155 ft., rein.-con., brick and stone, to J. A. Black, 1116 West 6th St., $138,685. Noted May 19.

Federal Government Work

Proposed Work

Md., Annapolis—Water Main—Spec. 5381—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans water main at U. S. Naval Academy, here.

Va., Hampton Roads (br. Norfolk)—Refrigerating Equipment, etc.—Spec. 5370—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans refrigerating equipment and cold storage plant, at Naval Operating Base, here.

Bids Desired

D. C., Wash.—Administration Building—July 15, at office Constructing Quartermaster, constructing East and West wings and connecting corridors to administration building, at Walter Reed General Hospital; adv. E. N.-R. June 16. Noted May 19.

Va., Norfolk—Dredging—Spec. 5346—June 22, by Bureau Yards & Docks, Navy Dept., Wash., D. C., dredging at Navy Yard, here.

Va., Richmond—Post Office—July 5, by Treas. Dept., at office Supervising Archt., Wash., D. C., remodeling and enlarging parcel post annex at U. S. Post Office, here.

W. Va., Alderson—Entrance Gates, etc.—June 22, by Treas. Dept., at office Supervising Archt., Wash., D. C., constructing entrance gates, wing walls, sentry house, etc., for Federal Industrial Institution for Women, here. J. A. Wetmore, acting superv. archt.

N. C., Oteen—Water System, etc.—June 28, by U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., constructing outside water, sewer and steam distribution system, at U. S. Veterans Hospital 60, here.

N. C., Wilmington—Water Piping—June 20, by Treas. Dept., at office Supervising Archt., Wash., D. C., removing old water piping and installing new brass water piping in U. S. Post Office and Courthouse, here.

S. C., Charleston—Pier—July 13, by U. S. Engineer Office, extending north Customhouse Pier; adv. E. N.-R. June 16.

Ky., Louisville—Boat Hulls—July 11, by U. S. Engineer Office, 6 maneuver boat hulls and derricks, here; adv. E. N.-R. June 16.

O., Dayton — Dynamometer Building — June 25, at office Constructing Quartermaster, Wright Field, dynamometer laboratory, building, on Wright Field, here; adv. E. N.-R. June 16. Noted Mar. 23.

N. D., Jamestown — Post Office — July 20, by Treas. Dept., at office Supervising Archt., Wash., D. C., constructing U. S. Post Office and court house, here. J. A. Wetmore, acting superv. archt.; adv. E. N.-R. June 16.

Ark., Prescott — Steps — June 29, by Treas. Dept., at office Supervising Archt., Wash., D. C., new steps at U. S. Post Office, here.

Tex., La Feria — Taking bids curbing, guttering, sewers, and paving, etc. various streets. $30,000. Address L. R. Beddoes, mayor.

Ariz., San Carlos—Reinforcing Bars—July 18, by Dept. Interior, Indian Field Serv., C. L. Shotwell, special disbursing

Federal Government Work (Continued)

agt. Coolidge Dam, 2,500 tons concrete reinforcing bars for Coolidge Dam Project, here.

Ariz., San Carlos—Cement—July 19, by Dept. Interior, Indian Field Service, C. L. Shotwell, special disbursing agt., Coolidge Dam, 21,300 bbls. portland cement, at Coolidge Dam project.

Contracts Awarded

N. Y., Buffalo—Retaining Wall—U. S. Engineer Office, constructing retaining wall at Black Rock Lock, here, to Ryan & Wendling, Buffalo, $24,757. Noted Apr. 28.

Ill., Great Lakes (mail Waukegan)—Re-roofing — Spec. 5367 — Bureau Yards & Docks, Navy Dept., Wash., D. C., reroofing building at Naval Training Station, here, to Hubert Co., Inc., 24 North Genesee St., Waukegan, $9,195. Noted May 19.

Unclassified

Proposed Work

Grade Crossing Elimination—New York—New York Central R.R. Co., F. B. Freeman, ch. engr., 466 Lexington Ave., New York City, making plans rein.-con. and steel overhead bridges, for grade crossing elimination at Tuckahoe Rd., Yonkers, $236,000; at Martindale Rd., Martindale, $100,000; and at Thendara, $165,000.

Park Improvements—Chicago, Ill.—West Chicago Park Comrs. voted $10,000,000 bonds, new park buildings and widening streets.

Fish Hatchery—Geneseo, Ill.—State of Illinois, Springfield, W. Giese, Princeton, state supt. hatcheries, purchased 13 acre site and plans fish hatchery on Hennipin Canal, near here, for State Dept. Conservation. $25,000.

Elimination of Grade Crossing — St. Louis, Mo.—City and Wabash Ry. Co., R. H. Howard, ch. engr., c/o Bd. Pub. Serv., 208 City Hall, making preliminary plans approximately rein.-con. subway, to carry Sarah St. under railroad tracks. $300,000. L. R. Bowen, 301 City Hall, engr.

Dock and Freight Terminals—St. Louis, Mo.—See "Buildings—Industrial."

Gas System—Coleman, Tex.—M. G. Cheney plans 6- to 8-in. gas distributing system. $55,000. Private plans.

Fire Alarm System—San Angelo, Tex.—Voted $25,000 bonds, fire alarm system. E. V. Spence, city mgr.

Grain Elevator—Port McNicol, Ont.—Canadian Pacific R.R., Windsor Sta., Montreal, Que., J. M. R. Fairbairn, ch. engr., plans 2,000,000 bu. grain elevator annex, here.

Elevator—Burrards Inlet, B. C.—Alberta Wheat Pool through C. M. Hall, supt., Calgary, Alta, soon takes bids 2,500,000 bu. elevator, here. $2,000,000.

Bids Desired

Cleaning Water Pipes — West Roxbury (Boston P. O.), Mass.—June 24, by Dept. Pub. Wks., Boston, cleaning 80,000 lin.ft. water pipes in various streets. J. H. Sullivan, comr.

Heating, Ventilating, Plumbing, etc. — Kingston, R. I.—June 13, at office Comrs. Bd. Educ., State House, Providence, A. Edwards in charge, heating, ventilating, plumbing, electric and fire protection in engineering building, College Grounds, here. To exceed $25,000. Bigelow, Kent, Willard & Co., Inc., Park Sq. Bldg., Boston, engrs. Noted May 19 under "Buildings—Educational, Religious."

Refrigerating Equipment—Beacon, N. Y.—July 12, by Commissioner Dept. Correction, Albany, refrigerating work, kitchen and dining room building, at Matteawan State Hospital, here; adv. E. N.-R. June 16.

Asphalt Mixing Plant—Long Island City, N. Y.—June 22, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., asphalt mixing plant with full equipment to Bureau Highways.

Comfort Stations—New York, N. Y.—June 17, by J. Miller, pres. Manhattan Boro, Municipal Bldg., constructing comfort stations on Riverside Dr. between 87th and 88th Sts.; Bway. and West 96th St. and at Lincoln Sq. Bway. and 66th St. Noted May 5.

Exit Facilities, etc.—Syracuse, N. Y.—June 22, by Commissioner Mental Hygiene, Dept. Mental Hygiene, Capitol, Albany, constructing exit facilities and fire stops, at Syracuse State School for Mental Defectives, here; adv. E. N.-R. June 16.

Bath House—Phila., Pa.—June 20, by Stewardson & Page, archts., 315 South 15th St., 2 story and basement, 52 x 53 ft., rein.-con. and brick, plain foundation, 1808-14 East Hazzard St., for Pub. Baths Assn., 718 Wood St.

Subway—Phila., Pa.—July 19, by Dept. City Transit, H. E. Ehlers, dir. 1211 Chestnut St., approximately 3,020 ft. subway in South Broad St., Contr. 109; adv. E. N.-R. June 16.

Stadium—Villanova, Pa.—June 29, by Augustinian College of St. Thomas, at office of C. A. McGeehan, graduate mgr., concrete stadium. T. J. McCormick, Fuller Bldg., 10 South 18th St., Phila., engr. of design; adv. E. N.-R. June 16.

Men's Field House—Morgantown, W. Va.—July 11, by State Bd. Control, Charleston, J. S. Lakin, pres., 1 story, 86 x 267 ft., playing field, 2½ story, 35 x 382 ft. locker rooms, incl. saw toothed skylights, lavatories, gallery, etc., here, for West Virginia University. Davis, Dunlap & Barney, 1805 Walnut St., Phila., Pa., archts.

Wharf—Mobile, Ala.—June 30, by State Docks Comn., State Office Bldg., approximately 2,240 ft. concrete apron wharf, 70 ft., for portion Pier 3; adv. E. N.-R. June 16.

Traffic System—Fayetteville, N. C.—June 22, by Police Com. of Bd. Aldermen, complete traffic system. J. R. Harrison, chn.

Cotton Compress — Gibsland, La. — See "Contracts Awarded."

Coal Handling Equipment — Milwaukee, Wis.—June 24, by Sewerage Comn., coal handling equipment for dryer house at sewage disposal plant on Jones Island. $20,000. R. Cramer, 448 27th St., consult. engr.

Oil Pipe Line—Texas—See "Contracts Awarded."

Pipe Line — Texas — See "Contracts Awarded."

Transmission Line—Texas—See "Contracts Awarded."

Slip Extension—Port Arthur, Ont.—June 23, by S. E. O'Brien, secy. Dept. Pub. Wks., Ottawa, extending slip in front of new plant of Thunder Bay Paper Co. Ltd., here.

Ornamental Lighting Standards—Vancouver, B. C.—See "Contracts Awarded."

Contracts Awarded

Boilers — Boston, Mass. — Dept. Pub. Wks., boilers on Ferry boat "John H. Sullivan," to Bethlehem Ship Building Corp., 100 Milk St., $28,895. Noted May 19.

Fire Alarm System—Brooklyn, N. Y.—J. J. Dorman, comr. Fire Dept., Municipal Bldg., New York City, portion underground fire alarm system, Greenpoint improvement, here, to W. J. Dipple, Inc., Hunter Ave., Long Island City, $24,576. Noted May 28.

Signal Towers—Brooklyn, N. Y.—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York City, signal towers adjacent to elevated railroad structures of Rapid Transit R.R. in Brooklyn Boro, to Ascher Eng. & Contg. Co., 1457 Bway., New York City, $21,895. Noted June 2.

Special Work — Brooklyn, N. Y. — Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York City, supply of special work (Order 41), for constructing portion Coney Island Yard, here, to Lorain Steel Co., 71 Bway., New York City, $21,088. Noted June 2.

Post Light System—Johnstown, N. Y.—A. Wands, city clk., installing post light system and traffic control signals, to F. J. Francis, Inc., Ogdensburg, $27,479. Noted May 28.

Bulkhead—Jersey City, N. J.—Lehigh Valley R.R. Co. of New Jersey, 143 Liberty St., New York City, general contract rein.-con. bulkhead, Jersey Ave. at Tidewater Basin, here, to J. C. Guise, Inc., 30 Church St., New York City. Engrs. est. $100,000.

Grain Elevator — Jersey City, N. J. — Northern Contg. Co., 921 Bergen Ave., general contract 5 story, 40 x 50 ft., rein.-con. and steel, concrete pile foundation, Morris Canal and New York Bay to Allen N. Spooner & Son, Inc., Pier 11, North River, New York City. Engrs. est. $150,000.

Switching and Central Equipment, etc.—Phila., Pa. — Dept. City Transit, H. E. Ehlers, dir., switching and central equipment, auxiliary transformers, etc., for Substations 4, 5 and 6, for Broad Street Subway, Contr. 149, to General Electric Co., River Rd., Schenectady, N. Y., Item B, $133,000. Noted May 19.

Railroad Trestle — Covington, Va. — See "Buildings—Industrial."

Causeway—Miami, Fla.—Dade Co., at office G. F. Holly, clk., constructing 79th St. Causeway across Biscayan Bay, dredging, fill and trestle, to Waldeck-Deal Dredging Co., 823 Northwest 12th Court, $168,500; foundations for steel viaducts and top concrete work, to P. J. Davis Constr. Co., 834 North Miami Ave., $169,900; steel work on viaducts, to Lehigh Constr. Co., Realty Board Bldg., $104,400; and 2 bascule bridges, to Nashville Bridge Co., Ft. Shelby Ave., Nashville, Tenn., $137,863. Grand total $580,663. Engrs. est. $580,703. Noted Feb. 10.

Cotton Compress—Gibsland, La.—Federal Compress & Warehouse Co., 1012 Falls Bldg., Memphis, Tenn., will build cotton compress plant, brick and timber, by day labor. $100,000. Private plans.

Gate House—Hammond, Ind.—Graham, Anderson, Probst & White, archts., 80 East Jackson Blvd., Chicago, Ill., 1 story, 32 x 255 ft. gate house, here, to U. G. I. Constr. Co., 122 South Michigan Ave., Chicago, Ill., for State Line Generating Co. $100,000. Noted Apr. 7.

Coal Conveying Tunnel—Milwaukee, Wis.—See "Buildings-Industrial."

Gas Pipe Line — Texas — B. Carter, Ranger, will build 70 mi. gas line from north Coleman Co. toward and through Winters, Rowena, Miles and on to San Angelo, $350,000; also gas distributing systems in above towns, $140,000. Private plans.

Oil Pipe Line—Texas—Gulf Pipe Line Co. (subsidiary Gulf Co.), Midland and Port Arthur, will build 400 mile oil pipe line from Midland to Ranger through Weatherford and Wortham to Lufkin, etc., by day labor. $9,000,000. Noted Dec. 16.

Pipe Line—Texas—Continental Pipe Line Co., c/o E. O. Sturm, vice pres., Wichita Falls, will build 50 mi. 4 in. pipe line from Wichita Falls to Nocona Field, by own forces. $275,000. Ditching for above awarded to Meadow & Whittaker, Burkburnett. Private plans.

Transmission Line — Texas — Central Power & Light Co., c/o Frost Bldg., San Antonio, will build 110 mi. high transmission line from Victoria to Corpus Christi, via Sinton, Beeville and Goliad, by own forces. $300,000. Private plans.

Ornamental Lighting Standards, etc.—Vancouver, B. C.—City will install ornamental lighting standards and underground wiring on Hastings and East Sts., etc. by day labor. $71,100. C. H. Fletcher, City Hall, engr.

Materials

Bids Desired

Paving Blocks—Long Island City, N. Y.—June 22, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., 50,000 wood paving blocks, and 100,000 asphalt paving blocks.

Fuel Oil, etc.—New York, N. Y.—June 20, by P. J. Dooling, comr. Purchase, Municipal Bldg., fuel oil, gasoline, lubricating oils, greases, etc. to Depts. Fire & Police, Correction, Docks, Parks, etc.

Pipe—New York, N. Y.—June 22, by P. J. Dooling, comr. Purchase, Municipal Bldg., pipe, valves, fittings, engineers, plumbers, and steam fitters supplies to Dept. Parks, Plant & Structures, Pub. Welfare, and Water Supply, Gas & Electricity.

Filler—New York, N. Y.—June 17, by J. Miller, pres. Manhattan Boro, Municipal Bldg., 600 tons asphaltic joint filler.

Cinder and Slag—Phila., Pa.—June 22, by C. E. Walsh, purch. agt. Pennsylvania R.R. Co., 15 North 32nd St., West Phila., cinder and slag filling material, Contr. 72-1927.

Steel Bars, Shapes, etc.—Phila., Pa.—June 23, by C. E. Walsh, purch. agt. Pennsylvania R.R. Co., 15 North 32nd St., West Phila., steel bars, shapes and plates, Contr. 73-1927.

Cement—Baltimore, Md.—June 22, by Bd. Awards, cement, for City. J. H. Kraft, city purch. agt.

Cable—Chicago, Ill.—June 23, by C. W. Laubenheimer, clk. Sanitary Dist. of Chicago, 910 South Michigan Ave., furnishing and delivering lead covered cable; adv. E. N.-R. June 16.

Culvert Pipe—Ft. Madison, Ia.—June 21, at office Auditor Lee Co., 2,216 ft. corrugated culvert pipe. M. F. McFarland, Ft. Madison, co. engr.

Portland Cement—Minnesota—June 28, by State Hy. Comn., St. Paul, approximately 47,152 bbl. portland cement.

Cast Iron Pipe—Wewoka, Okla.—City in market 100 tons 4 in. Class "B" c.i. pipe. E. C. Aldridge, mayor.

Cement—Los Angeles, Calif.—June 27, by M. B. Beatty, clk. Los Angeles Co., 2,600,000 bbl. cement for use on San Gabriel Canyon Dam.

See proposal advertising on page 157

Constr. News page 395

UNIT PRICES

On actual contracts gathered by field correspondents, also those sent in by readers

Bridge—Montana

Bids were opened by State Highway Department, Helena, Mar. 8, (lowest three) for constructing bridge over Dearborn River, Lewis and Clark Counties, from (A) O'Brien & Lordan, Butte, (awarded contract); (B) J. J. Rue & Sons, Bismarck, N. D.; (C) W. P. Roscoe, Billings. The unit bids are as follows

	A	B	C
190,000 lb. structural steel	$0.08	$0.085	$0.079
600 lb. bronze bearing plates	.45	.40	.50
34,000 lb. reinforcing steel	.06	.07	.069
178 cu.yd. class "A" concrete	21.50	20.00	22.31
143 cu.yd. concrete 1:2:3 mix	24.00	20.00	22.31
155 cu.yd. excavation for footings	2.50	4.00	4.75
35 cu.yd. hand placed rip rap	4.00	2.00	5.00
Maintaining traffic (lump sum)	500.00	200.00	475.00
Sub-totals	$25,797	$26,080	$26,204
10 per cent for engineering and contingencies	$2,580	$2,608	$2,620
Totals	$28,376	$28,688	$28,824

Road—Florida

Bids were opened by State Road Department, Tallahassee, Mar. 22, (lowest three) for road between Lake City and Union County line, Project No. 712, Columbia Co., from (A) C. A. Henderson, Jacksonville, (awarded contract); (B) Morgan Hill Paving Co., Jacksonville; (C) S. J. Groves & Sons, Orlando. The unit bids are as follows:

	A	B	C
38 acres clearing and grubbing	$135.00	$160.00	$140.00
100,039 cu.yd. regular excavation	.38	.39	.48
9.72 cu.yd. class "B" concrete for headwalls	40.00	33.50	34.00
194.7 cu.yd. class "A" concrete for culverts	34.00	33.00	35.00
15,762 lb. reinforcing steel	.07	.06	.08
113.6 m.f.b.m. treated structural timber	128.00	130.00	140.00
3.68 m.f.b.m. untreated structural timber	100.00	75.00	90.00
7,080 lin.ft. treated trestle piling	1.25	1.25	...
112 lin.ft. cast iron pipe—24-in.	8.00	6.75	7.00
540 lin.ft. 18-in. corrugated metal pipe	3.00	2.50	3.00
Totals	$77,532	$78,792	$80,384

Street Improvement—Los Angeles, Calif.

Bids were opened by City (lowest three and highest) for improving Fletcher Drive between San Fernando Road and Glendale Boulevard, from (A) Hanrahan Co., Standard Oil Bldg., San Francisco (awarded contract); (B) C. U. Heuser; (C) G. W. Kemper; (E) J. L. McClain. The unit bids are as follows:

	A	B	C	D
Grading (lump sum)	$35,000.00	$27,000.00	$23,000.00	$35,000.00
282,222 sq.ft. 8 in. asphalt concrete pavement	.25	.26½	.25	.25
9,523 sq.ft. 6 in. asphalt concrete pavement	.20	.20	.21	.18
13,147 sq.ft. concrete pavement	.23	.20	.20	.19
2,983 sq.ft. 2 in. asphalt concrete surfacing	.10	.10	.08	.10
Special concrete structure (lump sum)	1,000.00	1,000.00	1,400.00	1,250.00
4,365 lin.ft. reinf. integ. curb	.60	.70	.60	1.50
314 lin.ft. unplastered light cem. curb	.40	.45	.50	.50
6,272 lin.ft. unplastered heavy cem. curb	.50	.58	.55	.65
39,249 sq.ft. 1-course cem. walk	.12	.14½	.13½	.14½
9,793 sq.ft. combination gutter	.25	.30	.25	.40
964 sq.ft. conc. gutter	.24	.25	.23	.26
Storm drain (lump sum)	75,000.00	80,000.00	85,992.00	85,000.00
20,220 sq.ft. scarifying and oiling	.03	.03	.03	.10
16,820 sq.ft. class "A" resurfacing	.15	.22	.12	.30
Sanitary sewer (lump sum)	7,000.00	6,500.00	14,000.00	13,400.00
1,916 lin.ft. house sewers	1.40	1.75	1.00	1.00
Totals	$212,865	$217,487	$218,551	$239,340

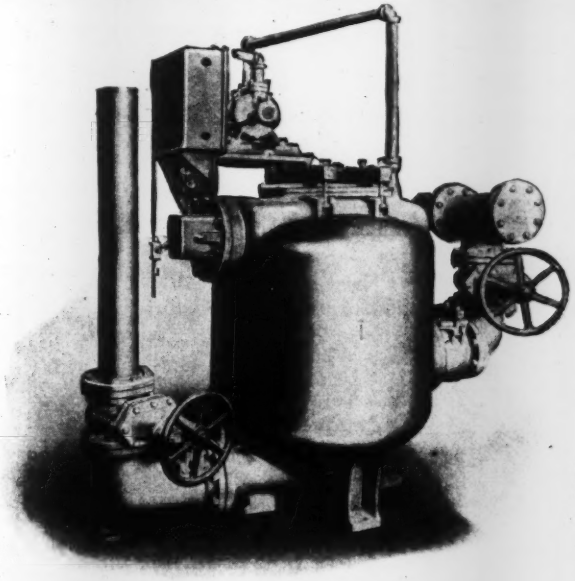
Elevated Railroad—New York, N. Y.

Bids were opened by Board of Transportation, 49 Lafayette St., April 15 (lowest four and highest), for reconstruction of portion of elevated railroad, Roosevelt Avenue east of Willets Point Boulevard, Borough of Queens, from (A) J. H. Duncan, Inc., 5718 2nd Ave., Brooklyn (awarded contract); (B) W. H. Gahagan Realty Co., Inc., 147 Remsen St., Brooklyn; (C) Samuel S. Jones, 473 West 158th St.; (D) H. Johnson, 102-16 Astoria Rd., East Elmhurst; (D) Arthur A. Johnson Corp., 3rd St. and West Ave., Long Island City. The unit bids are as follows:

	A	B	C	D	E
3,800 cu.yd. earth excavation	$5.85	$7.00	$7.70	$5.85	$11.70
3,000 cu.yd. cinder fill	3.10	2.53	2.25	2.00	1.75
1,020 cu.yd. concrete masonry	18.00	17.50	20.00	18.00	18.00
170 cu.yd. removing old masonry	5.00	11.00	8.00	10.00	15.00
65 M.B.M. timber lagging	110.00	140.00	125.00	82.46	225.00
570 (a) furnishing and delivering timber piles, 85 ft. long	50.00	42.50	43.00	37.00	57.50
47,000 lin.ft. driving timber piles	.24	.30	.26	.35	.45
199 M.B.M. sheeting	1.00	1.00	1.00	1.00	25.00
125 tons riveted steel, beams and shapes	110.00	106.60	105.00	90.00	130.00
12 tons furnishing and delivering new steel to replace damaged steel	92.00	120.00	115.00	120.00	110.00
25 tons steel rods and bars	110.00	100.00	120.00	100.00	140.00
Taking down, storing and re-erecting steel superstructure (lump sum)	17,600.00	20,250.00	18,500.00	35,000.00	25,000.00
Construction of cesspool (lump sum)	280.00	500.00	1,500.00	325.00	450.00
Totals	$133,344	$139,540	$140,320	$141,895	$190,440

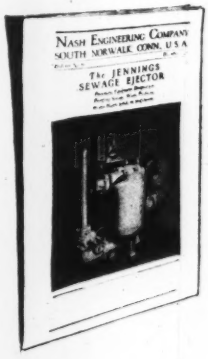
Constr. News Page 396a

UNIT PRICES ***continued on page 396a***



The Jennings Sewage Ejector, for handling sewage up to 300 g.p.m. against heads up to 50 ft.

Let us tell you more about this sewage ejector—



This bulletin on the Jennings Sewage Ejector gladly sent on request.

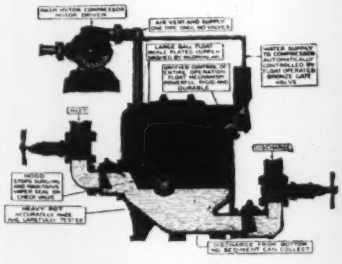
Here we can but mention its simplicity—in construction and in operation. Both make for reliable performance, and for worth-while economies in handling sewage and similar waste liquids.

No high pressure air is required. Nor is there any need for air storage tanks. Complicated air valve mechanisms are avoided. So, also, reciprocating air compressor units and their accessories.

Read the brief explanation below, showing how this Jennings Sewage Ejector works. Then write for our bulletin which gives complete information—including specifications, capacities, dimensions, etc. No obligation, of course.

NASH ENGINEERING COMPANY
5 Wilson Road, South Norwalk, Conn.

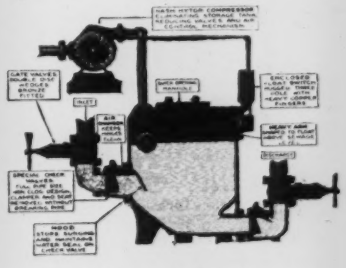
Jennings Pumps



Ejector Filling

Sewage, under the action of gravity, flows through the inlet check valve into the pot. As it accumulates it raises a ball float, which, when the pot is full, actuates a float switch, thereby starting up the **Nash Hytor Air Compressor.**

Compressed air is delivered into the top of the pot, closing the inlet check valve and expelling the sewage through the outlet check valve. When the pot has been emptied, the float, having reached the lower limit of its travel, opens the float switch, stopping the compressor, through which, then, the air in the pot is vented. Sewage again flows by gravity into the pot, repeating the cycle.



Ejector Discharging

UNIT PRICES

On actual contracts gathered by field correspondents, also those sent in by readers

Average Annual Maintenance Cost per Mile of Principal Types of Roads for the Past Eleven Years, Excluding Change of Type

	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	Ave.
Bituminous macadam, penetration method, asphalt and tar	$483	$408	$557	$501	$590	$753	$613	$794	$845	$1,017	$927	$681
Topeka on concrete base	205	245	435	144	335	229	365	332	545	597	727	378
Topeka on macadam	256	393	1,056	443	985	769	730	855	1,370	1,411	1,229	863
Waterbound macadam	906	970	739	694	797	951	776	897	914	1,000	1,059	882
Brick	176	222	251	247	242	307	303	350	424	564	730	347
First class concerte	141	112	160	214	227	225	225	218	333	410	487	250
Second class concrete	1,080	1,127	791	761	868	874	691	729	1,079	1,141	1,044	926
Gravel	587	918	909	771	704	890	739	814	1187	1,619	888	911
Average of all types	$651	$643	$608	$560	$631	$744	$607	$712	$757	$860	$830	$691

Road—Akron, Ohio

Bids were opened by Commissioners of Summit County, Apr. 25, for constructing New Portage-Uniontown Rd., C. H. No. 162, Sect. C2, from (A) Costigan-Shroyer Construction Co., (awarded contract); (B) The McCourt Construction Co.; (C) Newill & Smith; (D) Columbus Asphalt Paving Co.; (E) Thorpe Construction Co.; (F) Hollinger & Davidson Co. The unit bids are as follows:

	A	B	C	D	E	F
19,356 cu.yd. excavation—unclassified	$0.50	$0.60	$0.55	$0.60	$0.55	$0.60
200 cu.yd. excavation driveways	.50	.70	.55	.60	.60	.60
100 cu.yd. excavation special ditches	.65	.70	.60	.75	.75	.75
8,585 lin.ft. finishing shoulders, slopes and ditches (both sides)	.10	.02	.10	.10	.08	.10
500 lin.ft. tile underdrains	.25	.02	.30	.30	.30	.30
200 lin.ft. blind drains	.15	.02	.20	.15	.40	.15
400 lin.ft. 10 in. vit. pipe in place	.45	.40	.60	.60	.60	.60
190 lin.ft. 12 in. vit. pipe in place	.50	.50	.65	.75	.75	.75
180 lin.ft. 15 in. vit. pipe in place	.70	.60	.80	.90	.90	.90
200 lin.ft. 20 in. vit. pipe in place	1.25	.80	1.20	1.50	1.50	1.50
176 lin.ft. 12 in. corr. iron pipe in place (B_2, B_3, or B_4)	1.15	1.00	1.25	1.50	1.50	1.50
1,000 lin.ft. 10 in. to 20 in. pipe taken up and relaid	.25	.02	.20	.25	.25	.25
1,000 lin.ft. 10 in. to 20 in. pipe laid (furnished by property owners)	.15	.02	.20	.15	.15	.15
1,970 lin.ft. type D guard rail	.60	.60	.50	.70	.70	.65
60 cu.yd. No. 34 slag road approaches	2.10	2.50	3.00	2.00	3.00	2.00
6 inlets complete type A	25.00	30.00	20.00	30.00	30.00	30.00
*16,600 sq.yd. 9—7—9 in. reinf. conc. pavement (1-2-3) limestone aggregate	2.52	2.50	2.69	2.65	2.75	2.75
*16,600 sq.yd. 9—7—9 in. reinf. conc. pavement (1-2-3) slag aggregate	2.45	2.56	2.59	2.65	2.65	2.75
1,660 sq.yd. 7 in. reinf. conc. pavement (1-2-3)	2.52	2.60	2.69	2.65	2.75	2.70
920 sq.yd. 9 in. reinf. conc. pavement (1-2-3)	2.60	2.65	3.50	2.80	3.00	2.80
3,180 lin.ft. 6x7½ in. conc. curb (1-2-3)	.20	.20	.35	.20	.20	.20
12,630 lin.ft. 9x18 in. slag strip	.15	.08	.14	.15	.20	.15
5,000 lb. extra reinf. steel bars	.04	.04	.06	.05	.06	.06
1,000 sq.yd. extra wire mesh reinforcement 56 lb. per 100 sq.ft.	.25	.20	.22	.25	.30	.30
240 cu.yd. excavation culvert	2.25	2.50	1.50	2.50	2.50	2.50
70 cu.yd. excavation channel	.90	1.00	1.00	1.00	1.00	1.00
50 cu.yd. 1-2-3 concrete in place	21.25	22.00	22.00	18.00	22.00	22.00
85 cu.yd. 1-2½-4 concrete in place	18.00	20.00	16.00	15.00	18.00	18.00
5,800 lb. reinf. steel in place	.05	.06	.06	.05	.05	.06
58 lin.ft. 10 in. vit. pipe in place	.55	.80	.60	.75	.75	.75
72 lin.ft. 12 in. vit. pipe in place	.90	1.00	.80	1.00	1.00	1.00
220 lin.ft. 15 in. vit. pipe in place	1.35	1.50	1.00	1.50	1.50	1.50
216 lin.ft. 18 in. vit. pipe in place	1.75	2.00	1.20	2.00	2.00	2.00
18 lin.ft. 20 in. vit. pipe in place	1.90	2.50	2.00	2.25	2.25	2.25
5 10 in. c.i. gratings in place	1.25	2.00	1.75	1.50	1.50	1.50
1 12 in. c.i. gratings in place	1.35	2.00	1.75	1.60	1.60	1.60
3 10 in.—90° vit. pipe elbow in place	2.50	2.00	2.00	2.00	2.00	2.00
1 12 in. 90° vit. pipe elbow in place	2.75	2.00	2.00	3.00	3.00	3.00
4 15 in.—90° vit. pipe elbow in place	6.50	6.00	2.50	7.00	7.00	7.00
1 15 in.—60° vit. pipe elbow in place	6.50	6.00	5.00	7.00	7.00	7.00
1 15 x15 in. vit. pipe wye in place	3.75	4.00	5.00	3.75	7.00	3.75
1 18 x 15 in. vit. pipe wye in place	4.50	4.00	5.00	5.00	7.00	5.00
1 15 to 18 in. vit. pipe increaser in place	7.00	8.00	5.00	7.25	8.00	7.25
1 15 to 20 in. vit. pipe increaser in place	8.50	8.00	5.00	9.25	10.00	9.25
2 12 x 10 in. vit. pipe tees in place	2.00	2.00	2.00	2.25	3.00	2.25
2 18 x 15 in. vit. pipe tees in place	4.50	4.00	5.00	5.00	6.00	5.00
1 15-x10 in. vit. pipe tees in place	3.50	4.00	3.00	3.75	4.00	3.75
1 15 x 15 in. vit. pipe tees in place	3.75	4.00	5.00	3.75	4.00	3.75
1 20 x 10 in. vit. pipe tees in place	5.50	6.00	5.00	6.00	6.00	6.00
1 20 x 20 in. vit. pipe tees in place	6.00	6.00	5.00	6.00	8.00	6.00
Removing old structures (lump sum)	50.00	50.00	50.00	50.00	50.00	50.00
200 cu.yd. cinders in place on detours	.50	1.00	2.00	1.00	2.00	1.00
100 dragging detour roads	1.00	1.00	1.50	1.00	1.00	1.00
100 blading and scraping detour roads	1.00	2.00	2.00	2.00	2.50	2.50
Premium on state insurance (lump sum)	350.00	100.00	250.00	460.00	200.00	400.00
Maintaining lights, signs and barricades (lump sum)	25.00	100.00	50.00	100.00	75.00	100.00
Totals—slag aggregate	$68,900	$71,140	$73,601	$75,206	$75,744	$77,537
Totals—limestone aggregate	†$70,062	$70,144	$75,261	$75,206	$77,434	$77,537

*Alternate bids. †Contract awarded.

Constr. News Page 396